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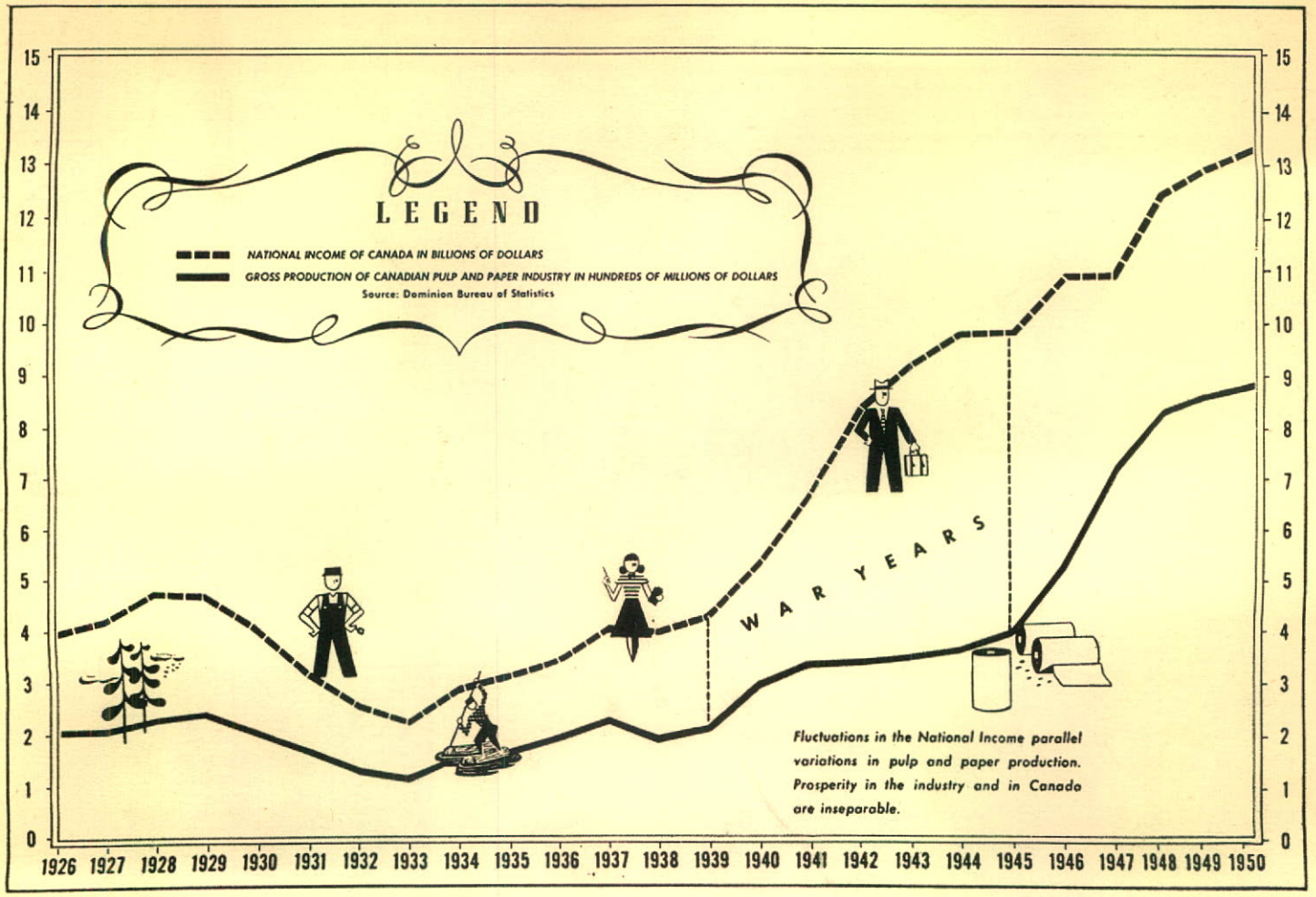


# *Reference Tables*

*December, 1950*

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# *Introduction*

These tables published annually present a succinct picture of pulp and paper operations, their intimate relationship with the forest resources and the forest crop, and something, too, of the importance of the industry in the economy of Canada.

While the material herein is clearly set forth in the index, it should be noted that Section "B" gives a bird's-eye view of the operations of the industry from its pulpwood harvest to its markets; and that in Section "F" may be found, not only the figures revealing the national significance of the industry, but also general statistics covering its operations as a whole.

Unless otherwise noted, all figures for the 1949 year include Newfoundland. In most of the newsprint tables in Section "D," which has been compiled by the Newsprint Association of Canada, the Newfoundland statistics have been consolidated with those of Canada for all preceding years. Elsewhere, the figures prior to 1949 have not been consolidated as Newfoundland statistics were not compiled on the same basis as those of the Dominion Bureau of Statistics. The figures covering Newfoundland's production up to Confederation will be found in the appropriate sections of the book in Tables 23, 42, 43, 51 and 75.

The publication of these tables has largely been made possible through the kindly aid of L. J. Pouliot, chief of the Forestry Section of the Dominion Bureau of Statistics; and to him grateful acknowledgment is made.

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*1950*

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# INDEX


*"A" Forests and Pulpwood*

Table

1. Forest extent
2. Forest holdings
3. Forest volume
4. Coniferous stands
5. Forest consumption
6. Forest increment
7. Wood used by mills
8. Species used
9. Pulpwood production, cords
10. Pulpwood production, value
11. Cords, cubic feet and board measure

*"B" 1949 Figures*

12. Pulpwood production
13. Pulp supply
14. Total production
15. Output by products
16. Markets
17. Pulp use and sale
18. Paper production
19. Pulp and paper exports

*"C" Pulp Statistics*

20. Pulp production and exports
21. Chemical pulp production and exports
22. Chemical pulp exports
23. Pulp production in Newfoundland
24. Bleached sulphite pulp
25. Unbleached sulphite pulp
26. Sulphate pulp
27. Mechanical pulp
28. Screenings
29. Defibrated and exploded pulps
30. Other wood-pulps
31. Mechanical pulp utilization
32. Bleached sulphite pulp utilization
33. Unbleached sulphite pulp utilization
34. Sulphate pulp utilization
35. Screenings utilization
36. Defibrated and exploded pulps utilization
37. Other pulps utilization
38. Destination of pulp exports
39. Average values, U.S. imports
40. Canadian pulp in U.S. market
41. World pulp figures
42. Exports of unbleached sulphite pulp from Newfoundland.
43. Exports of mechanical pulp from Newfoundland

*"D" Newsprint*

44. Canadian annual newsprint capacity and production
45. Shipments and mill stocks
46. Daily capacity and production
47. Overseas shipments
48. Production and exports
49. Value of newsprint production and exports
50. U.S. newsprint production

Table

51. Newfoundland newsprint production
52. Principal newsprint producers overseas
53. Sources of U.S. newsprint supply
54. U.S. newsprint consumption and stocks
55. Consumption by newspapers
56. North American newsprint stocks
57. U.S. newspaper circulation
58. U.S. Newspaper Milline rates
59. Indexes of U.S. advertising
60. U.S. newspaper pages printed
61. U.S. advertising expenditures and national income
62. U.S. newspaper advertising and total advertising expenditures
63. U.S. newspaper, magazine and radio advertising
64. Value of Canadian newsprint and total pulp and paper production
65. U.S. prices and prices indexes
66. Newsprint and total Canadian exports to United States

*"E" Other Paper and Paperboard*

67. Production, tons
68. Production, value
69. Building boards and building papers
70. Exports, tons
71. Exports, value

*"F" National Significance*

72. Paper, production and exports
73. Imports of wood-pulp and paper and paper goods
74. Exports and Canadian trade
75. Products of Newfoundland's pulp and paper mills
76. Exports of Canadian produce to U.S.
77. Production and national income
78. Growth of industry
79. Operations of mills
80. Mill locations
81. Capital invested
82. Employees and wages
83. Capital, employees and wages
84. Wages paid and numbers employed
85. Distribution of sales dollar
86. Growth in employment and wages
87. Domestic trade
88. Principal expenditures
89. Purchases of mill supplies
90. Fuel purchased
91. Electricity purchased
92. Car loadings
93. Payrolls and weekly earnings
94. Power utilization
95. Exports
96. Canadian exports
97. Pulp and paper and mining
98. Ten leading Canadian industries
99. Gross value of Canadian production

# "A"—FORESTS AND PULPWOOD

## Table 1.

### Forest Extent

| | Square Miles |
|---|---|
| Forested Areas of Canada*: . . . . . | 1,274,840 |
| All of which, save for 123,000 square miles, lies within the provinces. | |
| Forested Areas Classed as Unproductive: . . . . . | 573,608 |
| Small trees in adverse locations not expected to reach merchantable size. | |
| Productive Forest Areas: . . . . . | 701,232 |
| Capable of producing continuous crops of timber. | |
| Productive Forest Not Presently Accessible: . . . . . | 228,232 |
| Accessible Productive Forests: . . . . . | 473,000 |
| Two-fifths of this area bears trees large enough for use; the remainder is younger growth. | |
| Privately Owned Forests: . . . . . | 92,626 |
| Farm wood lots . . . . . 32,594 | |
| Others . . . . . 60,032 | |
| 92,626 | |
| Accessible Productive Forests Owned by the Crown: . . | 380,374 |
| Cutting Rights Leased by the Crown: . . . . . | 180,104 |
| Pulp and paper licences . . . . . 142,202 | |
| Saw timber licences . . . . . 33,942 | |
| Timber sales . . . . . 3,169 | |
| Permit berths . . . . . 791 | |
| 180,104 | |
| Unoccupied Accessible Productive Forest Owned by the Crown: . . . . . | 200,270 |
| (Reserves and parks form part of the Accessible Productive Forests. Restricted cutting is permitted in some of these areas.) | |

* Not including Newfoundland.

*Source: Federal Forestry Branch.*

## Table 2.

### Forest Holdings

In accessible Productive Forests

| | Sq. Miles | Per Cent |
|---|---|---|
| Private holdings . . . . . | 92,626 | 20. |
| Crown Lands | | |
| Leased by pulp and paper cos. . . . | 142,202 | 30. |
| Leased by others . . . . . | 37,902 | 8. |
| Unoccupied . . . . . | 200,270 | 42. |
| Accessible Productive Forests* . . . . . | 473,000 | 100. |

* Not including Newfoundland.

*Source: Federal Forestry Branch.*

## Table 3.

### Forest Volume

In 000,000's of cubic feet of merchantable timber in the Productive Forest Areas*

| | |
|---|---|
| Accessible Forests: | |
| Conifers . . . . . | 129,966 |
| Broad leaved . . . . . | 59,085 |
| Presently Inaccessible Forests: | |
| Conifers . . . . . | 102,140 |
| Broad leaved . . . . . | 11,267 |

* Not including Newfoundland.

*Source: Federal Forestry Branch.*

## Table 4.

### Coniferous Stands

Estimated Stands of Accessible Conifers by Provinces*

| | Millions of cubic feet | Pulp Production Tons — 1949 |
|---|---|---|
| Prince Edward Island . . . . . | 61 | nil |
| Nova Scotia . . . . . | 2,939 | † |
| New Brunswick . . . . . | 6,100 | † |
| Quebec . . . . . | 45,928 | 3,698,401 |
| Ontario . . . . . | 30,784 | 2,138,444 |
| Manitoba . . . . . | 1,004 | † |
| Saskatchewan . . . . . | 388 | nil |
| Alberta . . . . . | 7,724 | nil |
| British Columbia . . . . . | 35,038 | 666,542 |
| Nfld., N.S., N.B. and Manitoba . . | ..... | 1,349,611 |
| | 129,966 | 7,852,998 |

† Figures for Nfld., N.S., N.B. and Manitoba are not compiled separately.

* Not including Newfoundland.

*Source: Federal Forestry Branch and Dominion Bureau of Statistics.*

## Table 5.

### Forest Consumption

Average Annual Depletion 1939-1948*

| | | 000's of cu. ft. | % | % |
|---|---|---|---|---|
| Logs and bolts for domestic use . . . | | 1,021,316 | 29.9 | 38.0 |
| Logs and bolts for export . . . . . | | 26,399 | .8 | 1.0 |
| Pulpwood for domestic use . . . . | | 662,292 | 19.4 | 24.6 |
| Pulpwood for export . . . . . | | 151,324 | 4.4 | 5.6 |
| Fuelwood . . . . . | | 725,768 | 21.2 | 27.0 |
| Ties, poles, pit-props, posts, rails . . | | 65,101 | 1.9 | 2.5 |
| Miscellaneous . . . . . | | 35,773 | 1.1 | 1.3 |
| | | 2,687,973 | | 100.0 |
| Fire . . . . . | 228,266 | | | |
| Insects and disease . . . . | 500,000 | 728,266 | 21.3 | |
| | | 3,416,239 | 100.0 | |

* Not including Newfoundland.

*Source: Federal Forestry Branch.*

## Table 6.

### Forest Increment

Complete estimates of the rate of growth of Canadian forests have not been compiled, but the following facts are known:

| | Cubic feet per acre |
|---|---|
| While there is but a small growth in many areas, over considerable tracts growths have been recorded by the Federal Forestry Branch of: | 25—40 |
| Managed forests in Scandinavia produce: | 28 |
| Replacement of annual depletion in the accessible productive forest areas requires an annual average growth of: | 11 |

The foregoing figures by no means indicate that there is no cause for anxiety regarding the future maintenance of the forests and their proper conservation for use.

Other factors affecting these figures include:

1. While the annual increment appears to exceed the annual depletion, no comprehensive and proper estimate of forest increment in Canada as a whole has yet been prepared, or is under way.
2. Insects and diseases in the forests periodically reach epidemic proportions; unless checked they will affect the existing balance between depletion and increment.
3. In many instances the depletion is concentrated in the more accessible areas. Growth that accrues in more remote areas is not used.
4. Repeated fires retard and often make impossible the proper regeneration of the forests.
5. Land tenures are often such that there is no economic or other urge upon some loggers to operate along scientific methods.
6. The fire hazard is greater in the more accessible forests, a situation naturally having a bearing on the cutting methods pursued by owners or operators.

*Source: Federal Forestry Branch.*

## Table 7.
### Wood Used by Mills

| | Per Cent |
|---|---|
| From farmers and other small holdings | 20 |
| Other purchases, including sawmill waste | 10 |
| Total purchased | 30 |
| Cut from owned or leased limits | 70 |
| | 100 |

*Source: Estimate covering average over past ten-year period by Woodlands Section, Canadian Pulp and Paper Association.*

## Table 8.
### Species of Wood Used by Pulp and Paper Mills — 1949

| Pulpwood: | Cords | Per Cent |
|---|---|---|
| Spruce and Balsam | 8,991,829 | 85.5 |
| Jack Pine | 634,299 | 6.1 |
| Hemlock | 409,510 | 3.9 |
| Poplar | 255,625 | 2.5 |
| Other Kinds (x) | 52,204 | .5 |
| | 10,243,467 | 98.5 |
| Other Wood (xx) | 154,580 | 1.5 |
| | 10,398,047 | 100.0 |

(x) — Includes cedar, red pine, Scotch pine, Douglas fir, birch, maple and other hardwoods, and boomsticks.

(xx) — Includes chips, slabs and edgings, sawdust, and butt cores.

*Source: Dominion Bureau of Statistics.*

## Table 9.
### Pulpwood Production — Cords

| | Apparent Production | Consumption | Exports | Imports |
|---|---|---|---|---|
| 1920 | 4,024,826 | 2,777,422 | 1,247,404 | |
| 1921 | 3,273,131 | 2,180,578 | 1,092,553 | |
| 1922 | 3,923,940 | 2,912,608 | 1,011,332 | |
| 1923 | 4,654,663 | 3,270,433 | 1,384,230 | |
| 1924 | 4,647,201 | 3,316,951 | 1,330,250 | |
| 1925 | 5,092,461 | 3,668,959 | 1,423,502 | |
| 1926 | 5,621,305 | 4,229,567 | 1,391,738 | |
| 1927 | 5,929,456 | 4,387,687 | 1,541,769 | |
| 1928 | 6,295,912 | 4,796,320 | 1,532,266 | 32,674 |
| 1929 | 6,536,335 | 5,278,422 | 1,294,995 | 37,082 |
| 1930 | 5,977,183 | 4,741,349 | 1,330,466 | 94,632 |
| 1931 | 5,199,914 | 4,148,279 | 1,123,330 | 71,695 |
| 1932 | 4,222,224 | 3,647,754 | 620,124 | 45,654 |
| 1933 | 4,746,383 | 4,044,876 | 718,556 | 17,049 |
| 1934 | 5,773,970 | 4,766,604 | 1,021,285 | 13,919 |
| 1935 | 6,095,016 | 5,005,083 | 1,109,873 | 19,940 |
| 1936 | 7,002,057 | 5,775,894 | 1,235,754 | 9,591 |
| 1937 | 8,298,165 | 6,613,639 | 1,705,031 | 20,505 |
| 1938 | 6,438,344 | 4,719,753 | 1,752,259 | 33,668 |
| 1939 | 6,899,986 | 5,386,240 | 1,539,440 | 25,694 |
| 1940 | 8,499,922 | 6,996,119 | 1,551,429 | 47,626 |
| 1941 | 9,544,699 | 7,688,388 | 1,856,392 | 81 |
| 1942 | 9,653,574 | 7,667,438 | 1,987,850 | 1,714 |
| 1943 | 8,801,368 | 7,263,155 | 1,540,592 | 2,379 |
| 1944 | 8,668,566 | 7,177,639 | 1,499,136 | 8,209 |
| 1945 | 9,145,673 | 7,478,508 | 1,671,298 | 4,133 |
| 1946 | 10,523,256 | 8,684,756 | 1,855,381 | 16,881 |
| 1947 | 11,484,522 | 9,551,050 | 1,983,980 | 50,508 |
| 1948 | 12,497,926 | 10,256,549 | 2,317,346 | 75,969 |
| 1949 | 11,850,254 | 10,243,467 | 1,612,278 | 5,491 |

Note: Prior to 1946 "Apparent Production" and "Consumption" figures include small quantities of sawmill chips, slabs and edgings, sawdust, and butt cores.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

*Source: Dominion Bureau of Statistics.*

## Table 10.
### Pulpwood Production — Value

| | Apparent Production | Consumption | Exports | Imports |
|---|---|---|---|---|
| 1920 | $61,183,060 | $45,404,889 | $15,778,171 | |
| 1921 | 52,900,872 | 38,283,262 | 14,617,610 | |
| 1922 | 50,735,361 | 40,375,599 | 10,359,762 | |
| 1923 | 57,119,596 | 43,594,592 | 13,525,004 | |
| 1924 | 57,777,640 | 44,241,582 | 13,536,058 | |
| 1925 | 62,181,537 | 48,012,602 | 14,168,935 | |
| 1926 | 68,262,873 | 54,195,843 | 14,067,030 | |
| 1927 | 70,284,895 | 54,582,190 | 15,702,705 | |
| 1928 | 74,587,833 | 59,578,417 | 15,269,660 | $260,244 |
| 1929 | 76,120,063 | 63,101,138 | 13,314,738 | 295,813 |
| 1930 | 67,529,612 | 54,788,730 | 13,611,617 | 870,735 |
| 1931 | 51,973,243 | 43,120,740 | 9,359,592 | 507,089 |
| 1932 | 36,750,910 | 32,192,066 | 4,830,506 | 271,662 |
| 1933 | 33,213,973 | 28,609,247 | 4,696,459 | 91,733 |
| 1934 | 38,302,807 | 31,675,325 | 6,680,307 | 52,825 |
| 1935 | 41,195,871 | 34,265,329 | 7,041,052 | 110,510 |
| 1936 | 48,680,200 | 40,455,656 | 8,276,423 | 51,879 |
| 1937 | 63,057,205 | 51,081,661 | 12,088,329 | 112,785 |
| 1938 | 53,761,999 | 40,326,689 | 13,641,798 | 206,488 |
| 1939 | 58,302,668 | 46,558,645 | 11,901,480 | 157,457 |
| 1940 | 74,347,132 | 62,230,155 | 12,521,880 | 404,903 |
| 1941 | 88,193,045 | 72,264,544 | 15,928,826 | 325 |
| 1942 | 103,619,151 | 83,318,870 | 20,314,253 | 13,972 |
| 1943 | 110,844,790 | 92,308,272 | 18,565,265 | 28,747 |
| 1944 | 124,363,926 | 104,477,689 | 20,012,285 | 126,048 |
| 1945 | 146,172,701 | 122,347,847 | 23,881,928 | 57,074 |
| 1946 | 183,085,359 | 154,581,001 | 28,731,150 | 226,792 |
| 1947 | 237,488,741 | 203,738,527 | 34,528,884 | 778,670 |
| 1948 | 284,656,819 | 242,338,302 | 43,572,868 | 1,254,351 |
| 1949 | 270,697,980 | 240,379,337 | 30,383,947 | 65,304 |

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

*Source: Dominion Bureau of Statistics.*

## Table 11.
### Cords, Cubic Feet, and Board Measure

A standard cord is a stack of wood 4 x 4 x 8 feet containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs.

In the lumber industry, wood is usually measured by the board foot. A board foot is the equivalent of a board one inch in thickness and one square foot in surface area. The relationship between board measure and cord measure varies in different sections of the Dominion. Usually, 2 cords are considered to be equivalent to about 1000 feet board measure. But this ratio also varies with the size and type of the wood.

*Source: Federal Forestry Branch.*

# "B"—1949 FIGURES

*Including Newfoundland for the full year.*

## Table 12.

### Pulpwood Production 1949

| | Cords | Value |
|---|---|---|
| Apparent pulpwood production | 11,850,254 | $270,697,980 |
| Pulpwood imports | 5,491 | 65,304 |
| Total supply | 11,855,745 | $270,763,284 |
| Less pulpwood exports | 1,612,278 | 30,383,947 |
| Pulpwood used in Canadian mills | 10,243,467 | $240,379,337 |

*Source: Dominion Bureau of Statistics.*

## Table 13.

### Pulp Supply 1949

The pulpwood used in the mills together with other pulps resulted in the following supply:

| | Tons | Value |
|---|---|---|
| Groundwood pulp | 4,718,806 | $166,591,741 |
| Chemical pulp | 2,891,418 | 272,355,430 |
| Other pulp* | 242,774 | 6,191,323 |
| Total wood pulp production | 7,852,998 | $445,138,494 |
| Wood pulp imports | 35,432 | 3,963,086 |
| Other wood fibre used | 1,721 | 42,480 |
| Other fibres and stock used** | 383,489 | 10,705,679 |
| Total supply | 8,273,640 | $459,849,739 |

* Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

** Includes rags, straw, leather scrap and wastepaper.

*Source: Dominion Bureau of Statistics.*

## Table 14.

### Total Production 1949

From the foregoing supply of pulps flowed the industry's production for sale as follows:

| *Pulp Exported* | Tons | Value |
|---|---|---|
| Mechanical | 207,359 | $ 11,920,602 |
| Bleached sulphite | 483,615 | 65,100,878 |
| Unbleached sulphite | 354,444 | 36,076,547 |
| Sulphate | 470,160 | 54,812,327 |
| Other wood pulp | 27,471 | 3,369,959 |
| Chemical pulp screenings | 6,169 | 143,563 |
| Mechanical pulp screenings | 8,130 | 80,287 |
| | 1,557,348 | $171,504,163 |
| Pulp for Domestic Sale | 313,135a | 23,143,696b |
| Pulp Production For Sale | 1,870,483 | $194,647,859 |
| *Paper Production* | | |
| For domestic market | 1,587,686 | $184,507,212 |
| Exported | 4,952,283c | 456,952,626 |
| | 6,539,969 | $641,459,838 |
| Gross Production | 8,410,452d | $836,107,697 |

a: Total production less exports and pulp made for mills own use. Some of this tonnage was made for affiliated mills.

b: Gross value of production less pulp for paper production and pulp exports.

c: Excludes tonnage of bags, cartons, and other paper products having value of $2,087,245.

d: As most of the pulp for domestic sale was utilized in the manufacture of paper, there is some duplication in this figure.

*Source: Dominion Bureau of Statistics.*

## Table 15.

### Output by Products 1949

| | 000' tons | % | 000,000' $ | % |
|---|---|---|---|---|
| Market pulp* | 1,870.4 | 22.2 | 194.6 | 23.3 |
| Newsprint | 5,187.2 | 61.7 | 468.0 | 56.0 |
| Paperboard | 793.0 | 9.4 | 80.6 | 9.6 |
| Other Papers | 559.9 | 6.7 | 92.9 | 11.1 |
| | 8,410.5 | 100. | $836.1 | 100. |

* See Note d of Table 14.

*Source: Dominion Bureau of Statistics.*

## Table 16.

### Markets 1949

These figures show the relation between pulp supply and export markets:

| Pulp Exports | Tons | Value |
|---|---|---|
| To U.S.A. | 1,305,334 | $141,641,380 |
| To U.K. | 181,830 | 20,137,715 |
| Elsewhere | 70,184 | 9,725,068 |
| Total pulp exports | 1,557,348 | $171,504,163 |
| Pulp and other paper stock for domestic use | 6,716,292 | 288,345,576 |
| | 8,273,640 | $459,849,739 |

Of the 6,716,292 tons of pulp and other paper stock for domestic use, about 313,000 tons of pulp were sold on the domestic market and 6,403,157 tons of pulp and other paper stock valued at $265,201,880 were converted into 6,539,969 tons of paper and paper board valued at $641,459,838. The exports from this production, including paper products, were as follows:

| Newsprint Exports (a) | | |
|---|---|---|
| To U.S.A. | 4,364,045 | $396,362,860 |
| To U.K. | 109,091 | 10,004,944 |
| To other countries | 334,669 | 34,854,422 |
| | 4,807,805 | $441,222,226 |
| Other Paper Exports | | |
| To U.S.A. | 93,119 | $ 7,552,133 |
| To U.K. | 12,679 | 1,790,100 |
| To other countries | 38,680 | 6,388,167 |
| | 144,478 | $ 15,730,400 |
| Paper Products Exports (b) | | |
| To U.S.A. | — | $ 893,280 |
| To U.K. | — | 74,224 |
| To other countries | — | 1,119,741 |
| | — | $ 2,087,245 |
| Paper Exports | 4,952,283 | $459,039,871 |
| Pulp and Paper Exports | 6,509,631 | $630,544,034 |

a: Includes mutilated newsprint.

b: Includes bags, box, hanging paper, and miscellaneous paper products.

*Source: Dominion Bureau of Statistics.*

## Table 17.

### Pulp Use and Sale 1949

The figures in this table showing the amount of pulp made for various purposes naturally differ fractionally from those of actual exports, domestic sales, and domestic consumption during the 1949 year.

| Tons | Made for own use | Made for Domestic Sale | Made for sale abroad | Total Production |
|---|---|---|---|---|
| Groundwood | 4,424,606 | 78,346 | 215,854 | 4,718,806 |
| Sulphite | 989,894 | 169,024 | 832,541 | 1,991,459 |
| Sulphate | 363,151 | 38,360 | 454,273 | 855,784 |
| Screenings & others | 204,864 | 40,498 | 41,587 | 286,949 |
| | 5,982,515 | 326,228 | 1,544,255 | 7,852,998 |

*Source: Dominion Bureau of Statistics.*

Table 18.

## Paper Production 1949

| | Tons | Value |
|---|---|---|
| Newsprint | 5,187,206 | $467,976,343 |
| Book & Writing | 199,317 | 40,598,820 |
| Wrapping | 195,585 | 30,033,478 |
| Paperboard | 797,023 | 80,632,075 |
| Tissue | 68,340 | 13,950,007 |
| All other | 92,498 | 8,269,115 |
| | 6,539,969 | $641,459,838 |

*Source: Dominion Bureau of Statistics.*

Table 19.

## Pulp and Paper Exports 1949

| | Total Exports | | To U.S.A. | | To Other Countries | |
|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value |
| PULP — | | | | | | |
| Sulphate — Kraft | 470,160 | $ 54,812,327 | 438,472 | $ 51,624,078 | 31,688 | $ 3,188,249 |
| Bleached | *331,902* | *41,610,544* | 22,095 | 1,711,804 | 896 | *156,143* |
| Unbleached | *138,258* | *13,201,783* | *107,696* | *10,169,677* | *30,562* | ***3,032,106*** |
| Sulphite — Bleached | 483,615 | 65,100,878 | 390,142 | 50,544,366 | 93,473 | 14,556,512 |
| Dissolving | *243,095* | *37,146,886* | *162,077* | *24,129,080* | *81,018* | *13,017,806* |
| Paper Grades | *240,520* | *27,953,992* | *228,065* | *26,415,286* | *12,455* | *1,538,706* |
| Sulphite — Unbleached | 354,444 | 36,076,547 | 251,543 | 25,559,845 | 102,901 | 10,516,702 |
| Strong | *232,259* | *23,671,519* | *162,593* | ***16,385,861*** | *69,666* | *7,285,658* |
| News Grade | *122,185* | *12,405,028* | *88,950* | *9,173,984* | *33,235* | *3,231,044* |
| Total Chemical | 1,308,219 | $155,989,752 | 1,080,157 | $127,728,289 | 228,062 | $28,261,463 |
| Mechanical | 207,359 | 11,920,602 | 184,003 | 10,363,576 | 23,356 | 1,557,026 |
| Other Pulps | 27,471 | 3,369,959 | 27,199 | 3,334,411 | 272 | 35,548 |
| Screenings | 14,299 | 223,850 | 13,975 | 215,104 | 324 | 8,746 |
| Chemical | *6,169* | *143,563* | *6,169* | *143,563* | — | — |
| Mechanical | *8,130* | *80,287* | *7,806* | *71,541* | *324* | *8,746* |
| Total Miscellaneous | 249,129 | $ 15,514,411 | 225,177 | $ 13,913,091 | 23,952 | $ 1,601,320 |
| TOTAL PULP | 1,557,348 | $171,504,163 | 1,305,334 | $141,641,380 | 252,014 | $29,862,783 |
| NEWSPRINT PAPER — | | | | | | |
| Standard | 4,789,296 | 440,044,067 | 4,346,414 | 395,259,575 | 442,882 | 44,784,492 |
| Mutilated | 18,509 | 1,178,159 | 17,631 | 1,103,285 | 878 | 74,874 |
| TOTAL NEWSPRINT | 4,807,805 | $441,222,226 | 4,364,045 | $396,362,860 | 443,760 | $44,859,366 |
| OTHER PAPER — | | | | | | |
| Wrapping — Coated | 1,469 | 361,797 | x | 76 | 1,469 | 361,721 |
| Wrapping — Kraft — n.o.p. | 8,530 | 1,393,184 | 321 | 32,572 | 8,209 | 1,360,612 |
| Wrapping — n.o.p. | 3,423 | 555,329 | 1,010 | 94,880 | 2,413 | 460,449 |
| Book Paper | 13,438 | 2,165,837 | 8,212 | 1,046,498 | 5,226 | 1,119,339 |
| Bond & Writing — Uncut | 3,347 | 923,088 | 71 | 13,002 | 3,276 | 910,086 |
| Paperboard — n.o.p. | 56,557 | 5,907,085 | 33,048 | 2,867,317 | 23,509 | 3,039,768 |
| Roofing & Building | 1,785 | 108,995 | 28 | 2,159 | 1,757 | 106,836 |
| Pulp & Fibre Wallboards | 11,968 | 1,258,749 | 9,639 | 1,023,797 | 2,329 | 234,952 |
| Waste Paper — n.o.p. | 17,356 | 518,798 | 17,344 | 518,079 | 12 | 719 |
| Pulpboard for Wallboard | 22,991 | 1,798,317 | *330,776* | *41,454,401* | *1,126* | 86,513 |
| Tissue | 52 | 15,834 | — | — | 52 | 15,834 |
| Toilet | 3,562 | 723,387 | 1,351 | 241,949 | 2,211 | 481,438 |
| TOTAL OTHER PAPER | 144,478 | $ 15,730,400 | 93,119 | $ 7,552,133 | 51,359 | $ 8,178,267 |
| PAPER PRODUCTS — (a) | | | | | | |
| Bags, Boxes & Cartons | — | 778,364 | — | 125,690 | — | 652,674 |
| Bags | — | *167,601* | — | *2,034* | — | *165,567* |
| Boxes & Cartons | — | *610,763* | — | *123,656* | — | *487,107* |
| Hangings or Wall Paper | — | 723,927 | — | 698,910 | — | 25,017 |
| Hanging not Printed | — | — | — | — | — | — |
| Writing — n.o.p. | — | 90,858 | — | 1,238 | — | 89,620 |
| Handkerchiefs — Tissues | — | 8,505 | — | 100 | — | 8,405 |
| Napkins & Towels | — | 22,910 | — | — | — | 22,910 |
| Blank Books | — | 136,329 | — | 1,426 | — | 134,903 |
| Paper — n.o.p. | — | 157,837 | — | 26,410 | — | 131,427 |
| Other paper products | — | 168,515 | — | 39,506 | — | 129,009 |
| TOTAL PAPER PRODUCTS | — | $ 2,087,245 | — | $ 893,280 | — | $ 1,193,965 |
| GRAND TOTAL | 6,509,631 | $630,544,034 | 5,762,498 | $546,449,653 | 747,133 | $84,094,381 |

n.o.p. Not otherwise provided for.
(a): Weight of paper products is unavailable.
x: Less than one ton.
*Source: Dominion Bureau of Statistics.*

# "C" — PULP STATISTICS

*1949 figures include Newfoundland for the full year.*

Table 20.

## Pulp Production and Exports

All grades: chemical, mechanical and screenings.

| | Production | | Exports | |
|---|---|---|---|---|
| | Tons | Value | Tons | Value |
| 1920 | 1,960,102 | $141,552,862 | 819,985 | $ 76,383,978 |
| 1921 | 1,549,082 | 78,338,278 | 527,222 | 33,133,675 |
| 1922 | 2,150,251 | 84,947,598 | 818,257 | 41,037,849 |
| 1923 | 2,475,904 | 99,073,203 | 875,358 | 47,027,496 |
| 1924 | 2,465,011 | 90,323,972 | 781,983 | 40,242,972 |
| 1925 | 2,772,507 | 100,216,383 | 961,367 | 47,931,905 |
| 1926 | 3,229,791 | 115,154,199 | 1,005,780 | 52,077,122 |
| 1927 | 3,278,978 | 114,442,550 | 879,154 | 46,996,041 |
| 1928 | 3,608,045 | 121,184,214 | 863,801 | 45,614,823 |
| 1929 | 4,021,229 | 129,033,154 | 830,848 | 43,367,984 |
| 1930 | 3,619,345 | 112,355,872 | 760,220 | 39,059,979 |
| 1931 | 3,167,960 | 84,780,809 | 622,537 | 30,056,643 |
| 1932 | 2,663,248 | 64,412,453 | 452,293 | 18,930,064 |
| 1933 | 2,979,562 | 64,114,074 | 608,510 | 23,354,637 |
| 1934 | 3,636,335 | 75,726,958 | 605,641 | 25,444,844 |
| 1935 | 3,868,341 | 79,722,039 | 662,475 | 27,625,730 |
| 1936 | 4,485,445 | 92,336,953 | 754,496 | 31,246,695 |
| 1937 | 4,141,504 | 116,729,228 | 870,716 | 41,815,731 |
| 1938 | 3,667,789 | 87,897,148 | 554,037 | 27,730,738 |
| 1939 | 4,166,301 | 97,131,817 | 705,516 | 31,000,602 |
| 1940 | 5,290,762 | 149,005,267 | 1,068,516 | 60,930,149 |
| 1941 | 5,720,847 | 175,439,551 | 1,411,725 | 85,897,736 |
| 1942 | 5,606,461 | 192,145,062 | 1,510,746 | 96,266,873 |
| 1943 | 5,272,830 | 194,519,152 | 1,556,457 | 100,012,775 |
| 1944 | 5,271,137 | 211,041,412 | 1,408,081 | 101,563,024 |
| 1945 | 5,600,814 | 231,873,122 | 1,434,527 | 106,054,911 |
| 1946 | 6,615,410 | 287,624,227 | 1,418,558 | 114,020,659 |
| 1947 | 7,253,671 | 403,853,235 | 1,698,712 | 177,802,612 |
| 1948 | 7,675,079 | 485,966,164 | 1,797,998 | 211,564,384 |
| 1949 | 7,852,998 | 445,138,494 | 1,557,348 | 171,504,163 |

*Source: Dominion Bureau of Statistics.*

Table 21.

## Chemical Pulp Production and Exports

All grades. Screenings not included.

| | Tons Produced | Value of Production | Tons Exported |
|---|---|---|---|
| 1915 | ..... | ..... | 157,469 |
| 1916 | ..... | ..... | 229,147 |
| 1917 | 540,577 | ..... | 261,760 |
| 1918 | 677,683 | ..... | 402,850 |
| 1919 | 725,187 | ..... | 397,578 |
| 1920 | 869,988 | ..... | 515,641 |
| 1921 | 612,467 | $ 45,929,513 | 303,728 |
| 1922 | 897,533 | 53,615,692 | 503,487 |
| 1923 | 1,012,391 | 60,688,318 | 534,251 |
| 1924 | 986,508 | 53,344,343 | 528,283 |
| 1925 | 1,085,226 | 59,979,633 | 601,163 |
| 1926 | 1,251,178 | 69,220,427 | 623,703 |
| 1927 | 1,278,572 | 69,169,002 | 599,478 |
| 1928 | 1,392,755 | 72,500,188 | 628,438 |
| 1929 | 1,501,273 | 76,198,051 | 585,108 |
| 1930 | 1,265,057 | 63,156,351 | 527,800 |
| 1931 | 1,086,735 | 46,998,998 | 443,903 |
| 1932 | 913,438 | 35,987,294 | 328,532 |
| 1933 | 1,092,813 | 38,552,677 | 459,772 |
| 1934 | 1,211,719 | 44,555,528 | 472,447 |
| 1935 | 1,276,400 | 47,171,965 | 519,480 |
| 1936 | 1,462,659 | 53,356,519 | 597,512 |
| 1937 | 1,707,889 | 69,538,019 | 680,264 |
| 1938 | 1,124,312 | 47,990,730 | 421,597 |
| 1939 | 1,342,448 | 53,369,808 | 526,774 |
| 1940 | 1,879,812 | 92,553,463 | 857,193 |
| 1941 | 2,122,292 | 113,128,794 | 1,121,784 |
| 1942 | 2,246,438 | 126,208,457 | 1,213,587 |
| 1943 | 2,188,026 | 129,952,141 | 1,259,670 |
| 1944 | 2,109,169 | 138,140,452 | 1,156,442 |
| 1945 | 2,166,820 | 144,352,170 | 1,145,660 |
| 1946 | 2,427,087 | 172,756,674 | 1,131,148 |
| 1947 | 2,755,977 | 251,273,372 | 1,357,386 |
| 1948 | 2,997,281 | 310,338,614 | 1,481,449 |
| 1949 | 2,891,418 | 272,355,430 | 1,335,690 |

*Source: Dominion Bureau of Statistics.*

Table 22.

## Chemical Pulp Exports

All grades. Screenings not included.

| Tons | Sulphite | Sulphate | Other | Total |
|---|---|---|---|---|
| 1931 | 385,421 | 54,993 | 3,488 | 443,902 |
| 1932 | 287,930 | 38,531 | 2,071 | 328,532 |
| 1933 | 395,715 | 59,320 | 4,738 | 459,773 |
| 1934 | 376,460 | 88,037 | 7,950 | 472,447 |
| 1935 | 411,817 | 96,954 | 10,709 | 519,480 |
| 1936 | 464,739 | 119,400 | 13,373 | 597,512 |
| 1937 | 546,141 | 122,781 | 11,342 | 680,264 |
| 1938 | 335,273 | 76,286 | 10,039 | 421,598 |
| 1939 | 408,846 | 108,869 | 9,059 | 526,774 |
| 1940 | 708,806 | 136,052 | 12,334 | 857,192 |
| 1941 | 919,737 | 185,365 | 16,682 | 1,121,784 |
| 1942 | 1,013,505 | 181,325 | 18,757 | 1,213,587 |
| 1943 | 1,056,487 | 183,291 | 19,892 | 1,259,670 |
| 1944 | 960,297 | 178,876 | 17,269 | 1,156,442 |
| 1945 | 942,874 | 181,015 | 21,771 | 1,145,660 |
| 1946 | 906,712 | 204,769 | 19,667 | 1,131,148 |
| 1947 | 1,018,808 | 316,711 | 21,867 | 1,357,386 |
| 1948 | 1,066,534 | 389,599 | 25,316 | 1,481,449 |
| 1949 | 838,059 | 470,160 | 27,471 | 1,335,690 |

*Source: Dominion Bureau of Statistics.*

Table 23.

## Pulp Production in Newfoundland

| Calendar Year | Sulphite Pulp Tons | Mechanical Pulp Tons |
|---|---|---|
| 1927 | 58,422 | 177,470 |
| 1928 | 57,320 | 174,163 |
| 1929 | 55,515 | 176,368 |
| 1930 | 65,036 | 222,665 |
| 1931 | 60,626 | 220,460 |
| 1932 | 51,808 | 211,642 |
| 1933 | 42,990 | 222,665 |
| 1934 | 49,603 | 256,836 |
| 1935 | 52,326 | 279,106 |
| 1936 | 49,355 | 272,512 |
| 1937 | 57,752 | 295,000 |
| 1938 | 40,609 | 226,017 |
| 1939 | 52,907 | 263,395 |
| 1940 | 85,306 | 308,132 |
| 1941 | 105,065 | 307,689 |
| 1942 | 118,071 | 265,219 |
| 1943 | 77,729 | 239,842 |
| 1944 | 70,466 | 287,776 |
| 1945 | 77,806 | 314,144 |
| 1946 | 72,255 | 331,085 |
| 1947 | 99,391 | 340,070 |
| 1948 | 115,965 | 351,726 |

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals and will not be shown separately in future.

*Sources: 1945-1948 Canadian Pulp and Paper Association, 1927-1944, U.S. Pulp Producers' Association.*

Table 24.

## Bleached Sulphite Pulp

| | Production | | Apparent Consumption (b) | | Exports | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1920 | 138,624 | $21,301,465 | a | a | a | a | a | a |
| 1921 | 154,804 | 14,481,158 | 78,028 | $ 6,943,230 | 76,801 | $ 7,540,128 | 25 | $ 2,200 |
| 1922 | 146,690 | 11,691,904 | 169 | —286,705 | 146,705 | 11,993,202 | 184 | 14,593 |
| 1923 | 189,935 | 15,307,069 | 30,269 | 1,756,598 | 159,873 | 13,568,320 | 207 | 17,849 |
| 1924 | 200,764 | 14,653,587 | 34,975 | 2,276,040 | 165,868 | 12,383,645 | 79 | 6,098 |
| 1925 | 227,465 | 16,981,584 | 41,897 | 2,956,482 | 185,888 | 14,049,500 | 320 | 24,398 |
| 1926 | 256,868 | 19,645,060 | 56,131 | 3,929,938 | 200,994 | 15,734,220 | 257 | 19,098 |
| 1927 | 289,313 | 21,087,792 | 52,299 | 2,697,969 | 237,227 | 18,407,169 | 213 | 17,346 |
| 1928 | 304,769 | 22,451,771 | 53,520 | 3,371,582 | 251,542 | 19,112,964 | 293 | 32,775 |
| 1929 | 324,548 | 23,814,234 | 71,327 | 4,631,905 | 253,809 | 19,246,692 | 588 | 64,363 |
| 1930 | 293,394 | 19,619,367 | 45,587 | 1,764,164 | 249,098 | 17,954,714 | 1,291 | 99,511 |
| 1931 | 301,357 | 16,978,118 | 39,858 | 712,918 | 261,700 | 16,282,735 | 201 | 17,535 |
| 1932 | 256,478 | 13,081,700 | 48,928 | 1,909,832 | 207,711 | 11,181,623 | 161 | 9,755 |
| 1933 | 355,812 | 16,109,572 | 60,775 | 1,967,673 | 295,111 | 14,145,283 | 74 | 3,384 |
| 1934 | 340,262 | 18,034,000 | 66,205 | 3,431,395 | 274,144 | 14,607,138 | 87 | 4,533 |
| 1935 | 374,157 | 19,551,605 | 61,119 | 3,309,409 | 313,144 | 16,249,656 | 106 | 7,460 |
| 1936 | 429,714 | 22,259,923 | 78,094 | 3,884,783 | 351,651 | 18,376,727 | 31 | 1,587 |
| 1937 | 459,041 | 27,135,378 | 89,187 | 5,038,025 | 369,874 | 22,099,127 | 20 | 1,774 |
| 1938 | 304,834 | 18,818,095 | 68,457 | 3,080,445 | 236,438 | 15,742,741 | 61 | 5,091 |
| 1939 | 404,268 | 21,284,125 | 105,477 | 4,639,358 | 299,686 | 16,697,177 | 895 | 52,410 |
| 1940 | 543,987 | 36,576,496 | 118,166 | 6,879,197 | 427,482 | 29,812,822 | 1,661 | 115,523 |
| 1941 | 590,812 | 43,408,549 | 110,246 | 6,363,374 | 481,597 | 37,137,254 | 1,031 | 92,079 |
| 1942 | 597,316 | 43,809,756 | 135,876 | 7,618,564 | 463,301 | 36,382,124 | 1,861 | 190,932 |
| 1943 | 587,538 | 44,994,159 | 124,638 | 7,838,345 | 465,946 | 37,528,067 | 3,046 | 372,253 |
| 1944 | 585,699 | 48,767,224 | 154,570 | 10,565,098 | 434,520 | 38,614,714 | 3,391 | 412,588 |
| 1945 | 603,929 | 50,919,572 | 114,890 | 8,799,107 | 462,038 | 42,491,042 | 2,999 | 370,577 |
| 1946 | 616,797 | 58,859,624 | 160,415 | 12,358,355 | 460,503 | 47,013,382 | 4,121 | 512,113 |
| 1947 | 704,749 | 85,671,202 | 175,628 | 17,145,844 | 534,084 | 69,292,211 | 4,963 | 766,853 |
| 1948 | 731,653 | 99,052,519 | 185,326 | 21,459,854 | 551,617 | 78,497,251 | 5,290 | 904,586 |
| 1949 | 637,091 | 82,185,350 | 162,300 | 18,335,394 | 483,615 | 65,100,878 | 8,824 | 1,250,922 |

a: Not available prior to 1921.

b: Estimated on the basis of production plus imports minus exports.

*Source: Dominion Bureau of Statistics.*

Table 25.

## Unbleached Sulphite Pulp

| | Production | | Apparent Consumption (b) | | Exports | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1920 | 515,649 | $ 48,778,369 | a | a | a | a | a | a |
| 1921 | 322,125 | 22,002,694 | 208,964 | $ 14,149,662 | 127,389 | $ 9,122,612 | 14,228 | $ 1,269,580 |
| 1922 | 532,188 | 29,222,369 | 339,132 | 19,607,942 | 208,446 | 10,477,746 | 15,390 | 863,319 |
| 1923 | 595,891 | 31,704,333 | 382,116 | 20,066,596 | 228,033 | 12,406,095 | 14,258 | 768,358 |
| 1924 | 567,271 | 26,829,927 | 365,345 | 16,393,942 | 222,227 | 11,611,367 | 20,301 | 1,175,382 |
| 1925 | 615,320 | 29,670,655 | 370,251 | 16,641,014 | 265,553 | 14,150,271 | 20,484 | 1,120,630 |
| 1926 | 738,235 | 35,406,932 | 501,588 | 21,969,773 | 254,574 | 14,393,546 | 17,927 | 956,387 |
| 1927 | 726,747 | 33,803,631 | 556,515 | 24,699,183 | 192,557 | 10,269,560 | 22,325 | 1,165,112 |
| 1928 | 812,458 | 35,359,990 | 620,007 | 25,658,878 | 214,126 | 10,738,977 | 21,675 | 1,037,865 |
| 1929 | 911,684 | 38,144,801 | 733,636 | 29,356,266 | 196,978 | 9,713,979 | 18,930 | 925,444 |
| 1930 | 783,410 | 32,494,078 | 608,923 | 23,907,192 | 187,424 | 9,201,250 | 12,937 | 614,364 |
| 1931 | 640,222 | 22,433,990 | 529,242 | 17,813,130 | 123,721 | 5,146,954 | 12,741 | 526,094 |
| 1932 | 512,593 | 16,174,624 | 445,446 | 14,009,417 | 80,219 | 2,606,647 | 13,072 | 441,440 |
| 1933 | 553,801 | 15,070,885 | 458,627 | 12,171,104 | 100,604 | 3,067,525 | 5,430 | 167,744 |
| 1934 | 650,380 | 17,933,546 | 556,150 | 14,812,620 | 102,316 | 3,373,231 | 8,086 | 252,305 |
| 1935 | 644,820 | 17,546,789 | 562,251 | 14,878,220 | 98,673 | 3,186,894 | 16,104 | 518,325 |
| 1936 | 739,213 | 19,900,576 | 645,133 | 16,873,919 | 113,088 | 3,634,971 | 19,008 | 608,314 |
| 1937 | 914,191 | 28,355,232 | 758,367 | 21,101,623 | 176,267 | 7,907,788 | 20,443 | 654,179 |
| 1938 | 575,263 | 19,037,310 | 492,398 | 15,499,591 | 98,835 | 4,048,165 | 15,970 | 510,446 |
| 1939 | 624,552 | 19,998,275 | 534,726 | 16,696,992 | 109,160 | 3,954,980 | 19,334 | 653,697 |
| 1940 | 936,558 | 36,941,108 | 673,243 | 22,766,789 | 281,324 | 14,857,150 | 18,009 | 682,831 |
| 1941 | 1,073,704 | 46,797,067 | 651,611 | 21,708,638 | 438,140 | 25,942,972 | 16,047 | 854,543 |
| 1942 | 1,156,137 | 55,524,053 | 625,522 | 22,732,914 | 550,204 | 33,898,728 | 19,589 | 1,107,589 |
| 1943 | 1,125,033 | 58,076,395 | 553,108 | 22,158,932 | 590,541 | 36,997,343 | 18,616 | 1,079,880 |
| 1944 | 1,023,930 | 59,891,667 | 508,509 | 23,344,259 | 525,777 | 37,235,232 | 10,356 | 687,824 |
| 1945 | 1,035,755 | 61,923,471 | 565,677 | 27,748,246 | 480,836 | 34,916,473 | 10,758 | 741,248 |
| 1946 | 1,213,220 | 76,000,948 | 777,306 | 41,652,523 | 446,209 | 35,120,122 | 10,295 | 771,697 |
| 1947 | 1,322,783 | 102,483,191 | 860,180 | 55,816,292 | 484,724 | 48,888,906 | 22,121 | 2,222,007 |
| 1948 | 1,406,358 | 121,374,466 | 916,736 | 65,539,977 | 514,917 | 58,521,374 | 25,295 | 2,686,885 |
| 1949 | 1,354,368 | 103,606,878 | 1,023,903 | 69,939,043 | 354,444 | 36,076,547 | 23,979 | 2,408,712 |

a: Not available prior to 1921.

b: Estimated on the basis of production plus imports minus exports.

*Source: Dominion Bureau of Statistics.*

Table 26.

## Sulphate Pulp

| | Production | | Apparent Consumption (b) | | Exports | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1920 | 188,487 | $ 19,437,843 | 55,341a | $ 6,632,383a | 133,146 | $ 12,805,460 | a | $ a |
| 1921 | 131,337 | 9,062,252 | 31,798a | 1,863,029a | 99,539 | 7,199,223 | a | a |
| 1922 | 217,862 | 12,643,604 | 69,526a | 3,476,786a | 148,336 | 9,166,818 | a | a |
| 1923 | 224,813 | 13,559,189 | 78,468a | 4,105,431a | 146,345 | 9,453,758 | a | a |
| 1924 | 215,422 | 11,665,412 | 75,351 | 3,338,681 | 140,183 | 8,331,931 | 112 | 5,200 |
| 1925 | 241,252 | 13,244,379 | 92,485 | 4,085,518 | 149,722 | 9,158,861 | — | — |
| 1926 | 250,234 | 13,829,868 | 82,100 | 3,386,330 | 168,134 | 10,443,538 | — | — |
| 1927 | 251,266 | 13,598,815 | 81,573 | 3,405,508 | 169,693 | 10,193,307 | — | — |
| 1928 | 256,969 | 13,581,559 | 94,198 | 3,985,693 | 162,771 | 9,595,866 | — | — |
| 1929 | 250,104 | 13,191,726 | 115,783 | 5,335,259 | 134,321 | 7,856,486 | c | 19 |
| 1930 | 175,449 | 10,274,666 | 91,030 | 5,171,760 | 86,091 | 5,151,652 | 1,672 | 48,746 |
| 1931 | 136,489 | 7,153,530 | 82,479 | 3,573,549 | 54,993 | 3,617,444 | 983 | 37,463 |
| 1932 | 137,234 | 6,374,320 | 98,709 | 3,956,657 | 38,531 | 2,418,760 | 6 | 1,097 |
| 1933 | 171,236 | 6,859,680 | 111,918 | 3,809,541 | 59,320 | 3,050,208 | 2 | 69 |
| 1934 | 205,980 | 7,963,110 | 117,943 | 3,745,867 | 88,037 | 4,217,243 | — | — |
| 1935 | 236,536 | 9,119,496 | 139,582 | 4,209,517 | 96,954 | 4,909,979 | — | — |
| 1936 | 273,494 | 10,234,715 | 154,095 | 4,667,531 | 119,400 | 5,567,284 | 1 | 100 |
| 1937 | 312,741 | 12,920,977 | 189,960 | 6,155,567 | 122,781 | 6,765,430 | d | 20 |
| 1938 | 225,032 | 9,216,421 | 149,385 | 4,806,769 | 76,286 | 4,435,757 | 639 | 26,105 |
| 1939 | 292,066 | 11,074,010 | 184,309 | 5,379,191 | 108,869 | 5,741,152 | 1,112 | 46,333 |
| 1940 | 371,569 | 17,389,346 | 235,676 | 8,236,950 | 136,052 | 9,161,716 | 159 | 9,320 |
| 1941 | 426,743 | 20,940,034 | 241,378 | 8,372,148 | 185,365 | 12,567,886 | — | — |
| 1942 | 459,254 | 24,718,685 | 277,929 | 11,825,165 | 181,325 | 12,893,520 | — | — |
| 1943 | 441,421 | 24,636,048 | 258,130 | 11,119,381 | 183,291 | 13,516,667 | — | — |
| 1944 | 467,726 | 27,226,197 | 288,850 | 13,362,440 | 178,876 | 13,863,757 | — | — |
| 1945 | 478,740 | 28,731,109 | 297,725 | 14,360,805 | 181,015 | 14,370,304 | — | — |
| 1946 | 562,233 | 35,246,426 | 357,464 | 18,247,821 | 204,769 | 16,998,605 | — | — |
| 1947 | 689,435 | 59,303,735 | 372,724 | 22,057,844 | 316,711 | 37,245,891 | — | — |
| 1948 | 815,076 | 84,754,779 | 425,627 | 33,359,664 | 389,599 | 51,416,115 | 150 | 21,060 |
| 1949 | 855,784 | 81,591,665 | 387,823 | 27,045,894 | 470,160 | 54,812,327 | 2,199 | 266,556 |

a: Imports not available prior to 1924.
b: Estimated on basis of production plus imports minus exports.
c: 700 pounds only.
d: 900 pounds only.

*Source: Dominion Bureau of Statistics.*

Table 27.

## Mechanical Pulp

| | Production | | Apparent Consumption (b) | | Exports | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1920 | 1,090,114 | $ 49,890,337 | a | $ a | 304,344 | $ 17,574,806 | a | $ a |
| 1921 | 931,560 | 32,313,848 | a | a | 223,494 | 9,271,712 | a | a |
| 1922 | 1,241,185 | 31,079,429 | a | a | 314,770 | 9,400,083 | a | a |
| 1923 | 1,419,547 | 37,587,379 | a | a | 341,107 | 11,599,323 | a | a |
| 1924 | 1,427,726 | 36,163,381 | 1,176,962 | 28,361,101 | 253,700 | 7,916,029 | 2,936 | 113,749 |
| 1925 | 1,621,917 | 39,130,117 | 1,263,066 | 28,601,684 | 360,204 | 10,573,273 | 1,353 | 44,840 |
| 1926 | 1,901,268 | 44,800,257 | 1,521,914 | 33,402,964 | 382,077 | 11,505,818 | 2,723 | 108,525 |
| 1927 | 1,922,124 | 44,174,811 | 1,661,645 | 36,437,822 | 260,831 | 7,761,464 | 352 | 24,475 |
| 1928 | 2,127,699 | 47,549,324 | 1,924,218 | 42,022,091 | 203,670 | 5,546,120 | 189 | 18,887 |
| 1929 | 2,420,774 | 51,617,360 | 2,211,640 | 45,734,836 | 209,332 | 5,906,638 | 198 | 24,114 |
| 1930 | 2,283,130 | 48,317,494 | 2,076,976 | 42,413,073 | 208,758 | 5,967,172 | 2,604 | 62,751 |
| 1931 | 2,016,480 | 37,096,768 | 1,851,786 | 32,497,323 | 165,098 | 4,606,167 | 404 | 6,722 |
| 1932 | 1,696,021 | 28,018,451 | 1,579,832 | 25,459,838 | 116,229 | 2,562,089 | 40 | 3,476 |
| 1933 | 1,824,553 | 25,150,963 | 1,692,559 | 22,466,458 | 132,152 | 2,688,023 | 158 | 3,518 |
| 1934 | 2,340,441 | 30,556,675 | 2,220,352 | 27,829,717 | 120,121 | 2,727,902 | 32 | 944 |
| 1935 | 2,504,595 | 32,034,716 | 2,380,657 | 29,408,820 | 124,055 | 2,631,945 | 117 | 6,049 |
| 1936 | 2,910,338 | 38,251,389 | 2,776,863 | 35,412,990 | 133,518 | 2,841,051 | 43 | 2,652 |
| 1937 | 3,308,517 | 46,144,208 | 3,142,130 | 42,028,791 | 166,802 | 4,145,552 | 415 | 30,135 |
| 1938 | 2,461,997 | 39,228,178 | 2,338,032 | 36,330,722 | 124,205 | 2,914,247 | 240 | 16,791 |
| 1939 | 2,738,011 | 43,062,396 | 2,569,380 | 38,973,434 | 168,652 | 4,090,177 | 21 | 1,215 |
| 1940 | 3,305,484 | 55,504,763 | 3,101,536 | 49,244,546 | 204,090 | 6,265,069 | 142 | 4,852 |
| 1941 | 3,494,922 | 61,327,268 | 3,227,335 | 52,614,791 | 271,162 | 8,835,808 | 3,575 | 123,331 |
| 1942 | 3,260,097 | 64,801,837 | 2,981,732 | 54,294,388 | 278,365 | 10,507,449 | — | — |
| 1943 | 2,998,913 | 63,426,919 | 2,726,013 | 53,358,327 | 272,900 | 10,068,592 | — | — |
| 1944 | 3,076,296 | 71,668,673 | 2,839,751 | 61,534,290 | 236,545 | 10,134,383 | — | — |
| 1945 | 3,341,920 | 86,375,001 | 3,068,767 | 74,327,944 | 273,906 | 12,101,310 | 753 | 54,253 |
| 1946 | 3,997,848 | 111,514,231 | 3,729,613 | 98,950,120 | 268,290 | 12,571,257 | 55 | 7,146 |
| 1947 | 4,275,269 | 147,423,553 | 3,957,351 | 128,403,870 | 319,160 | 19,098,908 | 1,242 | 79,226 |
| 1948 | 4,413,513 | 168,343,496 | 4,119,262 | 149,273,279 | 296,520 | 19,257,283 | 2,269 | 187,066 |
| 1949 | 4,718,806 | 166,591,741 | 4,511,809 | 154,699,884 | 207,359 | 11,920,602 | 362 | 28,745 |

a: Imports not available prior to 1924.
b: Estimated on basis of production plus imports minus exports.

*Source: Dominion Bureau of Statistics.*

Table 28.

## Screenings

| | Production | | Apparent Consumption (b) | | Exports (a) | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| **Screenings — Chemical and Mechanical** | | | | | | | | |
| 1923 | 43,966 | $ 797,506 | c | c | c | c | — | $ — |
| 1924 | 50,777 | 816,248 | c | c | c | c | — | — |
| 1925 | 65,364 | 1,106,633 | c | c | c | c | — | — |
| 1926 | 77,310 | 1,132,290 | c | c | c | c | — | — |
| 1927 | 78,282 | 1,098,737 | 59,437 | $ 734,196 | 18,845 | $364,541 | — | — |
| 1928 | 87,591 | 1,134,702 | 55,898 | 513,806 | 31,693 | 620,896 | — | — |
| 1929 | 99,182 | 1,217,743 | 62,774 | 573,554 | 36,408 | 644,189 | — | — |
| 1930 | 71,158 | 882,027 | 47,496 | 466,421 | 23,662 | 415,606 | — | — |
| 1931 | 64,745 | 685,053 | 51,209 | 460,619 | 13,536 | 224,434 | — | — |
| 1932 | 53,789 | 406,708 | 46,257 | 328,771 | 7,532 | 77,937 | — | — |
| **Screenings — Chemical** | | | | | | | | |
| 1933 | 27,700 | 228,953 | 18,661 | 83,441 | 9,039 | 145,512 | — | — |
| 1934 | 29,851 | 296,107 | 21,540 | 156,301 | 8,311 | 139,806 | — | — |
| 1935 | 28,230 | 226,254 | 36,541 | 116,561 | 8,311 | 109,693 | — | — |
| 1936 | 38,504 | 305,942 | 27,718 | 172,549 | 10,786 | 133,393 | — | — |
| 1937 | 48,871 | 527,450 | 38,765 | 360,376 | 10,106 | 167,074 | — | — |
| 1938 | 22,739 | 198,939 | 20,113 | 155,468 | 2,626 | 43,471 | — | — |
| 1939 | 27,760 | 231,642 | 24,400 | 192,908 | 3,360 | 38,734 | — | — |
| 1940 | 42,741 | 434,257 | 39,725 | 379,621 | 3,016 | 54,636 | — | — |
| 1941 | 48,270 | 560,969 | 36,668 | 332,063 | 11,602 | 228,906 | — | — |
| 1942 | 51,905 | 727,736 | 40,096 | 468,801 | 11,809 | 258,935 | — | — |
| 1943 | 51,053 | 787,239 | 33,219 | 379,227 | 17,834 | 408,012 | — | — |
| 1944 | 48,826 | 803,729 | 37,706 | 486,508 | 11,120 | 317,221 | — | — |
| 1945 | 53,121 | 797,527 | 42,725 | 487,527 | 10,396 | 310,000 | — | — |
| 1946 | 66,277 | 1,268,027 | 54,951 | 877,146 | 11,326 | 390,881 | — | — |
| 1947 | 82,228 | 2,125,787 | 69,335 | 1,474,569 | 12,893 | 651,218 | — | — |
| 1948 | 83,894 | 2,288,892 | 72,357 | 1,799,377 | 11,537 | 489,515 | — | — |
| 1949 | 71,179 | 1,579,401 | 65,010 | 1,435,838 | 6,169 | 143,563 | — | — |
| **Screenings — Mechanical** | | | | | | | | |
| 1933 | 34,496 | 181,481 | 26,950 | 105,140 | 7,546 | 76,341 | — | — |
| 1934 | 54,324 | 318,648 | 49,562 | 282,493 | 4,762 | 36,155 | — | — |
| 1935 | 59,116 | 289,104 | 48,487 | 217,157 | 10,629 | 71,947 | — | — |
| 1936 | 73,944 | 423,103 | 61,264 | 320,896 | 12,680 | 102,207 | — | — |
| 1937 | 76,227 | 519,551 | 62,683 | 374,017 | 13,544 | 145,534 | — | — |
| 1938 | 58,741 | 479,301 | 53,132 | 423,609 | 5,609 | 55,692 | — | — |
| 1939 | 58,082 | 467,971 | 51,352 | 399,120 | 6,730 | 68,851 | — | — |
| 1940 | 62,725 | 512,784 | 58,507 | 450,542 | 4,218 | 62,242 | — | — |
| 1941 | 55,363 | 422,520 | 48,186 | 334,229 | 7,177 | 88,291 | — | — |
| 1942 | 48,021 | 407,032 | 41,036 | 323,913 | 6,985 | 83,119 | — | — |
| 1943 | 34,838 | 294,784 | 28,785 | 245,482 | 6,053 | 49,302 | — | — |
| 1944 | 36,846 | 428,558 | 32,872 | 387,684 | 3,974 | 40,874 | — | — |
| 1945 | 38,953 | 348,424 | 34,388 | 306,599 | 4,565 | 41,825 | — | — |
| 1946 | 68,876 | 863,096 | 61,082 | 700,505 | 7,794 | 162,591 | — | — |
| 1947 | 69,360 | 1,237,425 | 60,087 | 1,139,287 | 9,273 | 98,138 | — | — |
| 1948 | 69,101 | 1,092,077 | 60,609 | 997,744 | 8,492 | 94,333 | — | — |
| 1949 | 54,143 | 1,029,384 | 46,013 | 949,097 | 8,130 | 80,287 | — | — |

a: Estimated on basis of known quantity and value "made for export" prior to 1946.
b: Estimated on basis of production plus imports minus exports.
c: Exports not available prior to 1927.
Note: Screenings were not reported separately prior to 1923. It is assumed that these were included with "Other wood-pulps".

*Source: Dominion Bureau of Statistics.*

Table 29.

## Defibrated and Exploded Pulps

| | Production | | Apparent Consumption (a) | | Exports | | Imports | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1946 | 48,009 | $1,019,492 | 48,009 | $1,019,492 | — | $ — | — | $ — |
| 1947 | 52,613 | 1,244,072 | 52,613 | 1,244,072 | — | — | — | — |
| 1948 | 65,636 | 2,544,930 | 65,636 | 2,544,930 | — | — | — | — |
| 1949 | 75,403 | 2,289,933 | 75,403 | 2,289,933 | — | — | — | — |

a: Estimated on basis of production plus imports minus exports.
Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

*Source: Dominion Bureau of Statistics.*

Table 30.

## Other Wood-Pulps

Including certain grades of chemical, semi-chemical, and mechanical pulp.

| Year | Production Tons | Production Value | Apparent Consumption (b) Tons | Apparent Consumption (b) Value | Exports Tons | Exports Value | Imports Tons | Imports Value |
|---|---|---|---|---|---|---|---|---|
| 1920 | 27,228 | $2,144,848 | a | a | a | a | a | a |
| 1921 | 9,256 | 478,326 | a | a | a | a | 3,101 | $411,261 |
| 1922 | 12,326 | 310,292 | a | a | a | a | 1,726 | 130,615 |
| 1923 | 1,752 | 117,727 | a | a | a | a | 2,764 | 161,018 |
| 1924 | 3,051 | 195,417 | a | a | a | a | 1,068 | 75,562 |
| 1925 | 1,189 | 83,015 | a | a | a | a | 1,266 | 84,674 |
| 1926 | 5,876 | 339,792 | a | a | a | a | 2,031 | 127,178 |
| 1927 | 11,246 | 678,764 | a | a | a | a | 787 | 51,600 |
| 1928 | 18,559 | 1,106,868 | a | a | a | a | 267 | 18,274 |
| 1929 | 14,937 | 1,047,290 | a | a | a | a | 158 | 10,629 |
| 1930 | 12,804 | 768,240 | 7,639 | $ 400,145 | 5,187 | $ 369,585 | 22 | 1,490 |
| 1931 | 8,667 | 433,350 | 5,268 | 259,531 | 3,488 | 178,909 | 89 | 5,090 |
| 1932 | 7,133 | 356,650 | 5,102 | 277,118 | 2,071 | 83,008 | 40 | 3,476 |
| 1933 | 11,964 | 512,540 | 7,385 | 334,313 | 4,737 | 181,745 | 158 | 3,518 |
| 1934 | 15,097 | 624,872 | 7,147 | 281,503 | 7,950 | 343,369 | — | — |
| 1935 | 20,887 | 954,075 | 10,229 | 490,983 | 10,709 | 465,616 | 51 | 2,524 |
| 1936 | 20,238 | 961,305 | 6,983 | 375,189 | 13,373 | 591,062 | 118 | 4,946 |
| 1937 | 21,916 | 1,126,432 | 10,750 | 550,917 | 11,342 | 585,226 | 176 | 9,711 |
| 1938 | 19,183 | 918,904 | 9,213 | 431,280 | 10,039 | 490,665 | 69 | 3,041 |
| 1939 | 21,562 | 1,013,398 | 12,685 | 1,013,825 | 9,059 | 409,531 | 182 | 9,486 |
| 1940 | 27,698 | 1,646,513 | 15,389 | 931,860 | 12,334 | 716,514 | 25 | 1,861 |
| 1941 | 31,033 | 1,983,144 | 14,351 | 886,525 | 16,682 | 1,096,619 | — | — |
| 1942 | 33,731 | 2,155,963 | 14,974 | 912,965 | 18,757 | 1,242,998 | — | — |
| 1943 | 34,034 | 2,303,608 | 14,142 | 858,816 | 19,892 | 1,444,792 | — | — |
| 1944 | 31,814 | 2,255,364 | 14,545 | 898,521 | 17,269 | 1,356,843 | — | — |
| 1945 | 48,396 | 2,778,018 | 26,625 | 954,061 | 21,771 | 1,823,957 | — | — |
| 1946 | 42,150 | 2,852,383 | 22,483 | 1,088,562 | 19,667 | 1,763,821 | — | — |
| 1947 | 57,234 | 4,364,271 | 35,367 | 1,836,931 | 21,867 | 2,527,340 | — | — |
| 1948 | 89,848 | 6,515,005 | 64,532 | 3,226,492 | 25,316 | 3,288,513 | — | — |
| 1949 | 86,224 | 6,264,152 | 58,821 | 2,902,344 | 27,471 | 3,369,959 | 68 | 8,151 |

a: Not available prior to 1930.
b: Estimated on basis of production plus imports minus exports.

*Source: Dominion Bureau of Statistics.*

Table 31.

## Mechanical Pulp Utilization

| Year | Production Tons | Production Value | Made for own use Tons | Made for own use Value | Made for export Tons | Made for export Value | Made for domestic sale Tons | Made for domestic sale Value |
|---|---|---|---|---|---|---|---|---|
| 1920 | 1,090,114 | $49,890,337 | 702,519 | $23,505,693 | 280,516 | $19,958,761 | 107,079 | $6,425,883 |
| 1921 | 931,560 | 32,313,848 | 643,164 | 20,267,227 | 255,680 | 10,837,011 | 32,716 | 1,209,610 |
| 1922 | 1,241,185 | 31,079,429 | 888,783 | 20,540,929 | 304,590 | 9,222,381 | 47,812 | 1,316,119 |
| 1923 | 1,419,547 | 37,587,379 | 1,024,051 | 23,904,778 | 353,352 | 12,295,143 | 42,144 | 1,387,458 |
| 1924 | 1,427,726 | 36,163,381 | 1,088,877 | 26,064,031 | 265,083 | 7,921,074 | 73,766 | 2,178,276 |
| 1925 | 1,621,917 | 39,130,117 | 1,211,558 | 27,492,409 | 335,962 | 9,593,020 | 74,397 | 2,044,688 |
| 1926 | 1,901,268 | 44,800,257 | 1,471,982 | 33,190,921 | 402,228 | 10,913,798 | 27,058 | 695,538 |
| 1927 | 1,922,124 | 44,174,811 | 1,665,859 | 37,421,874 | 241,358 | 6,347,800 | 14,907 | 405,137 |
| 1928 | 2,127,699 | 47,549,324 | 1,926,063 | 42,641,890 | 190,545 | 4,611,424 | 11,091 | 296,010 |
| 1929 | 2,420,774 | 51,617,360 | 2,179,035 | 45,662,246 | 221,598 | 5,392,698 | 20,141 | 562,416 |
| 1930 | 2,283,130 | 48,317,494 | 2,049,581 | 42,504,632 | 217,182 | 5,418,702 | 16,367 | 394,160 |
| 1931 | 2,016,480 | 37,096,768 | 1,822,083 | 32,655,912 | 186,082 | 4,224,234 | 8,315 | 216,622 |
| 1932 | 1,696,021 | 28,018,451 | 1,551,703 | 25,238,000 | 130,377 | 2,510,950 | 13,941 | 269,501 |
| 1933 | 1,824,553 | 25,150,963 | 1,667,921 | 22,557,925 | 142,154 | 2,324,549 | 14,478 | 268,489 |
| 1934 | 2,340,441 | 30,556,675 | 2,184,522 | 27,702,260 | 145,441 | 2,643,403 | 10,478 | 211,012 |
| 1935 | 2,504,595 | 32,034,716 | 2,353,055 | 29,457,426 | 140,819 | 2,375,395 | 10,721 | 201,895 |
| 1936 | 2,910,338 | 38,251,389 | 2,743,712 | 35,253,678 | 157,462 | 2,798,240 | 9,164 | 199,471 |
| 1937 | 3,308,517 | 46,144,208 | 3,122,677 | 42,173,942 | 174,856 | 3,714,485 | 10,984 | 255,781 |
| 1938 | 2,461,997 | 39,228,178 | 2,301,546 | 35,870,198 | 152,175 | 3,154,105 | 8,276 | 203,875 |
| 1939 | 2,738,011 | 43,062,396 | 2,557,172 | 38,948,923 | 169,615 | 3,843,272 | 11,224 | 270,201 |
| 1940 | 3,305,484 | 55,504,763 | 3,068,875 | 48,709,161 | 219,156 | 6,280,828 | 17,453 | 514,774 |
| 1941 | 3,494,922 | 61,327,268 | 3,204,132 | 52,246,938 | 270,744 | 8,458,142 | 20,046 | 622,188 |
| 1942 | 3,260,097 | 64,801,837 | 2,958,683 | 54,293,231 | 285,134 | 10,020,256 | 16,280 | 488,350 |
| 1943 | 2,998,913 | 63,426,919 | 2,761,063 | 54,548,106 | 227,082 | 8,503,813 | 10,768 | 375,000 |
| 1944 | 3,076,296 | 71,668,673 | 2,842,316 | 62,207,170 | 222,944 | 9,082,705 | 11,036 | 378,798 |
| 1945 | 3,341,920 | 86,375,001 | 3,058,254 | 74,383,799 | 272,048 | 11,569,715 | 11,618 | 421,487 |
| 1946 | 3,997,848 | 111,514,231 | 3,712,324 | 97,612,211 | 267,273 | 13,170,735 | 18,251 | 731,285 |
| 1947 | 4,275,269 | 147,423,552 | 3,927,747 | 126,650,089 | 313,485 | 19,210,050 | 34,037 | 1,563,413 |
| 1948 | 4,413,513 | 168,343,496 | 4,083,545 | 146,928,866 | 290,374 | 18,926,446 | 39,594 | 2,488,184 |
| 1949 | 4,718,806 | 166,591,741 | 4,424,606 | 151,832,799 | 215,854 | 11,984,331 | 78,346 | 2,774,611 |

Note: Tonnage "made for export" differs slightly from actual exports.

*Source: Dominion Bureau of Statistics.*

Table 32.

## Bleached Sulphite Pulp Utilization

| Year | Production Tons | Production Value | Made for own use Tons | Made for own use Value | Made for export Tons | Made for export Value | Made for domestic sale Tons | Made for domestic sale Value |
|---|---|---|---|---|---|---|---|---|
| | | | All grades | | | | | |
| 1920 | 138,624 | $21,301,465 | 3,630 | $ 471,323 | 98,924 | $15,191,918 | 36,070 | $5,638,224 |
| 1921 | 154,804 | 14,481,158 | 43,291 | 3,323,989 | 95,471 | 9,424,191 | 16,042 | 1,732,978 |
| 1922 | 146,690 | 11,691,904 | 7,248 | 575,791 | 66,072 | 4,822,035 | 73,370 | 6,294,078 |
| 1923 | 189,935 | 15,307,069 | 10,004 | 770,537 | 62,937 | 4,718,206 | 116,994 | 9,818,326 |
| 1924 | 200,764 | 14,653,587 | 14,355 | 1,085,957 | 63,495 | 4,467,518 | 122,914 | 9,100,112 |
| 1925 | 227,465 | 16,981,584 | 18,817 | 1,397,013 | 188,225 | 14,010,078 | 20,423 | 1,574,493 |
| 1926 | 256,868 | 19,645,060 | 20,893 | 1,466,456 | 209,132 | 16,087,135 | 26,843 | 2,091,469 |
| 1927 | 289,313 | 21,087,792 | 22,228 | 1,587,816 | 240,388 | 17,433,858 | 26,697 | 2,066,118 |
| 1928 | 304,769 | 22,451,771 | 26,906 | 1,943,274 | 248,876 | 18,283,405 | 28,987 | 2,225,092 |
| 1929 | 324,548 | 23,814,234 | 22,953 | 1,594,513 | 261,982 | 19,191,199 | 39,613 | 3,028,522 |
| 1930 | 293,394 | 19,619,367 | 20,624 | 1,355,956 | 250,590 | 16,718,331 | 22,180 | 1,545,080 |
| 1931 | 301,357 | 16,978,118 | 22,932 | 1,385,381 | 256,225 | 14,217,203 | 22,200 | 1,375,534 |
| 1932 | 256,478 | 13,081,700 | 21,600 | 1,217,878 | 197,887 | 9,986,973 | 36,991 | 1,876,849 |
| 1933 | 355,812 | 16,109,572 | 21,330 | 1,049,613 | 298,807 | 13,351,247 | 35,675 | 1,708,712 |
| 1934 | 340,262 | 18,034,000 | 21,953 | 1,134,018 | 282,950 | 14,923,285 | 35,359 | 1,976,697 |
| 1935 | 374,157 | 19,551,605 | 26,422 | 1,324,147 | 306,880 | 16,005,916 | 40,855 | 2,221,542 |
| 1936 | 429,714 | 22,259,923 | 27,930 | 1,442,039 | 350,598 | 18,171,792 | 51,186 | 2,646,092 |
| 1937 | 459,041 | 27,135,378 | 31,138 | 1,625,488 | 376,816 | 22,408,866 | 51,087 | 3,101,024 |
| 1938 | 304,834 | 18,818,095 | 32,565 | 1,679,016 | 229,222 | 14,693,602 | 43,047 | 2,445,477 |
| 1939 | 404,268 | 21,284,125 | 38,917 | 1,877,350 | 312,490 | 16,748,534 | 52,861 | 2,658,241 |
| 1940 | 543,987 | 36,576,496 | 47,429 | 2,713,333 | 430,498 | 29,534,721 | 66,060 | 4,328,442 |
| 1941 | 590,812 | 43,408,549 | 50,500 | 2,880,325 | 471,819 | 35,759,039 | 68,493 | 4,769,185 |
| 1942 | 597,316 | 43,809,756 | 53,071 | 3,208,471 | 464,708 | 34,956,661 | 79,537 | 5,644,624 |
| 1943 | 587,538 | 44,994,159 | 50,636 | 3,196,336 | 456,772 | 35,970,277 | 80,130 | 5,827,546 |
| | | | Dissolving Pulp | | | | | |
| 1944 | 235,417 | 21,198,634 | — | — | 216,754 | 19,556,214 | 18,663 | 1,642,420 |
| 1945 | 233,826 | 22,025,991 | — | — | 210,570 | 20,093,763 | 23,256 | 1,932,228 |
| 1946 | 271,563 | 29,401,676 | — | — | 252,811 | 27,586,624 | 18,752 | 1,815,052 |
| 1947 | 306,927 | 41,705,429 | — | — | 283,478 | 38,507,548 | 23,449 | 3,197,881 |
| 1948 | 340,946 | 50,689,685 | — | — | 323,312 | 47,981,783 | 17,634 | 2,707,902 |
| 1949 | 262,972 | 39,455,746 | — | — | 239,722 | 35,990,058 | 23,250 | 3,465,688 |
| | | | Paper Pulp | | | | | |
| 1944 | 350,282 | 27,568,590 | 58,001 | 3,875,298 | 230,356 | 19,161,223 | 61,745 | 4,532,069 |
| 1945 | 370,103 | 28,893,581 | 59,215 | 3,977,471 | 242,335 | 20,280,140 | 68,553 | 4,635,970 |
| 1946 | 345,234 | 29,457,948 | 60,672 | 4,717,451 | 210,053 | 19,179,403 | 74,509 | 5,561,094 |
| 1947 | 397,822 | 43,965,773 | 67,988 | 6,357,838 | 240,782 | 29,007,025 | 89,052 | 8,600,910 |
| 1948 | 390,707 | 48,362,834 | 66,085 | 7,325,265 | 235,632 | 30,597,053 | 88,990 | 10,440,516 |
| 1949 | 374,119 | 42,729,604 | 68,206 | 7,581,410 | 227,872 | 26,513,720 | 78,041 | 8,634,474 |

Note: Tonnage "made for export" differs slightly from actual exports.

*Source: Dominion Bureau of Statistics.*

Table 33.

## Unbleached Sulphite Pulp Utilization

| Year | Production Tons | Production Value | Made for own use Tons | Made for own use Value | Made for export Tons | Made for export Value | Made for domestic sale Tons | Made for domestic sale Value |
|---|---|---|---|---|---|---|---|---|
| | | | All grades | | | | | |
| 1920 | 515,649 | $48,778,369 | 199,507 | $13,210,198 | 235,148 | $26,871,141 | 80,994 | $8,697,030 |
| 1921 | 322,125 | 22,002,694 | 155,504 | 10,125,712 | 125,564 | 8,794,289 | 41,057 | 3,082,693 |
| 1922 | 532,188 | 29,222,369 | 242,832 | 12,189,239 | 205,484 | 11,470,986 | 83,872 | 5,562,144 |
| 1923 | 595,891 | 31,704,333 | 300,879 | 14,946,551 | 256,946 | 14,642,292 | 38,066 | 2,115,490 |
| 1924 | 567,271 | 26,829,927 | 317,289 | 14,296,723 | 199,946 | 10,041,802 | 50,036 | 2,491,402 |
| 1925 | 615,320 | 29,670,655 | 342,556 | 15,946,841 | 238,680 | 12,046,571 | 34,084 | 1,677,243 |
| 1926 | 738,235 | 35,406,932 | 441,178 | 20,081,548 | 239,274 | 12,273,559 | 57,783 | 3,051,825 |
| 1927 | 726,747 | 33,803,631 | 477,703 | 21,112,051 | 200,701 | 10,276,753 | 48,343 | 2,414,827 |
| 1928 | 812,458 | 35,359,990 | 568,728 | 24,083,077 | 200,739 | 9,388,709 | 42,991 | 1,888,204 |
| 1929 | 911,684 | 38,144,801 | 662,541 | 26,833,383 | 198,257 | 9,003,690 | 50,886 | 2,307,728 |
| 1930 | 783,410 | 32,494,078 | 562,351 | 22,609,783 | 184,357 | 8,204,866 | 36,702 | 1,679,429 |
| 1931 | 640,222 | 22,433,990 | 484,372 | 16,685,105 | 127,768 | 4,655,237 | 28,082 | 1,093,648 |
| 1932 | 512,593 | 16,174,624 | 423,420 | 13,295,206 | 68,926 | 2,131,936 | 20,247 | 747,482 |
| 1933 | 553,801 | 15,070,885 | 420,524 | 11,253,461 | 101,697 | 2,832,123 | 31,580 | 985,301 |
| 1934 | 650,380 | 17,933,546 | 514,888 | 13,260,916 | 101,424 | 3,545,144 | 34,068 | 1,127,486 |
| 1935 | 644,820 | 17,546,789 | 510,718 | 13,148,182 | 96,794 | 3,196,209 | 37,308 | 1,202,398 |
| 1936 | 739,213 | 19,900,576 | 593,082 | 15,101,762 | 105,843 | 3,440,025 | 40,288 | 1,358,789 |
| 1937 | 914,191 | 28,355,232 | 680,272 | 18,387,452 | 181,543 | 8,219,273 | 52,376 | 1,748,507 |
| 1938 | 575,263 | 19,037,310 | 448,196 | 14,122,812 | 88,216 | 3,503,632 | 38,851 | 1,410,866 |
| 1939 | 624,552 | 19,998,275 | 471,622 | 14,295,782 | 109,707 | 4,175,986 | 43,223 | 1,526,507 |
| 1940 | 936,558 | 36,941,108 | 583,996 | 19,349,378 | 302,723 | 15,521,265 | 49,839 | 2,070,465 |
| 1941 | 1,073,704 | 46,797,067 | 607,581 | 20,602,150 | 413,496 | 23,802,433 | 52,627 | 2,392,484 |
| 1942 | 1,156,137 | 55,524,053 | 553,291 | 20,479,162 | 554,653 | 32,745,486 | 48,193 | 2,299,405 |
| 1943 | 1,125,033 | 58,076,395 | 500,925 | 19,991,947 | 578,824 | 35,781,920 | 45,284 | 2,302,528 |
| | | | Strong Grade | | | | | |
| 1944 | 232,634 | 15,332,609 | 38,353 | 1,885,403 | 185,984 | 12,941,871 | 8,297 | 505,335 |
| 1945 | 246,020 | 16,744,422 | 33,888 | 1,814,052 | 196,108 | 14,018,841 | 16,024 | 911,529 |
| 1946 | 271,026 | 20,734,898 | 37,497 | 2,152,375 | 216,597 | 17,389,919 | 16,932 | 1,192,604 |
| 1947 | 207,983 | 19,848,112 | 37,759 | 2,568,576 | 160,726 | 16,452,803 | 9,498 | 826,733 |
| 1948 | 242,066 | 25,693,454 | 43,194 | 3,493,971 | 191,130 | 21,307,082 | 7,742 | 802,401 |
| 1949 | 217,351 | 20,656,054 | 49,299 | 3,896,076 | 158,412 | 15,806,676 | 9,640 | 953,302 |
| | | | News Grade | | | | | |
| 1944 | 791,296 | 44,559,058 | 415,496 | 18,548,309 | 338,455 | 24,102,446 | 37,345 | 1,908,303 |
| 1945 | 789,735 | 45,179,049 | 484,345 | 23,478,246 | 275,497 | 20,050,133 | 29,893 | 1,650,670 |
| 1946 | 942,194 | 55,266,050 | 662,899 | 34,513,585 | 231,994 | 18,006,804 | 47,301 | 2,745,661 |
| 1947 | 1,114,800 | 82,635,079 | 721,992 | 44,881,325 | 320,659 | 32,208,888 | 72,149 | 5,544,866 |
| 1948 | 1,164,292 | 95,681,012 | 768,502 | 52,170,718 | 326,496 | 37,066,911 | 69,294 | 6,443,383 |
| 1949 | 1,137,017 | 82,950,824 | 872,389 | 57,187,884 | 206,535 | 20,752,362 | 58,093 | 5,010,578 |

Note: Tonnage "made for export" differs slightly from actual exports.

*Source: Dominion Bureau of Statistics.*

## Table 34. Sulphate Pulp Utilization

| Year | Production Tons | Production Value | Made for own use Tons | Made for own use Value | Made for export Tons | Made for export Value | Made for domestic sale Tons | Made for domestic sale Value |
|---|---|---|---|---|---|---|---|---|
| 1920 | 188,487 | $19,437,843 | 51,041 | $4,058,745 | 132,468 | $14,795,631 | 4,978 | $ 583,467 |
| 1921 | 131,337 | 9,062,252 | 24,903 | 1,990,272 | 101,461 | 6,813,671 | 4,973 | 258,309 |
| 1922 | 217,862 | 12,643,604 | 48,611 | 2,875,567 | 156,499 | 9,120,541 | 12,752 | 647,496 |
| 1923 | 224,813 | 13,559,189 | 52,803 | 2,886,829 | 162,200 | 10,065,224 | 9,810 | 607,136 |
| 1924 | 215,422 | 11,665,412 | 53,615 | 2,642,705 | 153,661 | 8,572,496 | 8,146 | 450,211 |
| 1925 | 241,252 | 13,244,379 | 57,218 | 2,686,666 | 174,640 | 10,044,519 | 9,394 | 513,194 |
| 1926 | 250,234 | 13,829,868 | 58,771 | 2,697,736 | 183,017 | 10,616,841 | 8,446 | 515,291 |
| 1927 | 251,266 | 13,598,815 | 62,415 | 2,849,904 | 178,039 | 10,126,434 | 10,812 | 622,477 |
| 1928 | 256,969 | 13,581,559 | 68,853 | 3,038,540 | 175,315 | 9,835,215 | 12,801 | 707,804 |
| 1929 | 250,104 | 13,191,726 | 80,705 | 3,720,054 | 144,412 | 8,194,428 | 24,987 | 1,277,244 |
| 1930 | 175,449 | 10,274,666 | 68,219 | 3,390,860 | 95,369 | 6,223,148 | 11,861 | 660,658 |
| 1931 | 136,489 | 7,153,530 | 66,595 | 3,030,078 | 56,738 | 3,379,939 | 13,156 | 743,513 |
| 1932 | 137,234 | 6,374,320 | 72,527 | 2,921,326 | 45,728 | 2,583,940 | 18,979 | 869,054 |
| 1933 | 171,236 | 6,859,680 | 82,647 | 2,714,549 | 65,921 | 3,126,646 | 22,668 | 1,018,485 |
| 1934 | 205,980 | 7,963,110 | 99,133 | 2,904,586 | 84,548 | 3,975,192 | 22,299 | 1,083,332 |
| 1935 | 236,536 | 9,119,496 | 108,635 | 3,105,874 | 97,551 | 4,627,928 | 30,350 | 1,385,694 |
| 1936 | 273,494 | 10,234,715 | 125,386 | 3,406,156 | 116,000 | 5,388,004 | 32,108 | 1,440,555 |
| 1937 | 312,741 | 12,920,977 | 152,918 | 4,295,794 | 125,790 | 6,882,697 | 34,033 | 1,742,486 |
| 1938 | 225,032 | 9,216,421 | 119,817 | 3,831,693 | 77,583 | 4,038,182 | 27,632 | 1,346,546 |
| 1939 | 292,066 | 11,074,010 | 154,755 | 4,650,666 | 104,797 | 4,905,738 | 32,514 | 1,517,606 |
| 1940 | 371,569 | 17,389,346 | 191,734 | 6,080,775 | 138,388 | 9,021,053 | 41,447 | 2,287,518 |
| 1941 | 426,743 | 20,940,034 | 215,456 | 7,175,462 | 167,166 | 11,144,647 | 44,121 | 2,619,925 |
| 1942 | 459,254 | 24,718,685 | 225,481 | 8,282,287 | 181,089 | 13,254,331 | 52,684 | 3,182,067 |
| 1943 | 441,421 | 24,636,048 | 211,988 | 8,494,224 | 182,410 | 13,462,641 | 47,023 | 2,679,183 |
| 1944 | 467,726 | 27,226,197 | 242,405 | 10,747,651 | 179,313 | 13,981,790 | 46,008 | 2,496,756 |
| 1945 | 478,740 | 28,731,109 | 249,816 | 11,786,501 | 182,189 | 14,264,401 | 46,735 | 2,680,207 |
| 1946 | 562,233 | 35,246,426 | 318,258 | 15,579,086 | 201,913 | 16,907,709 | 42,062 | 2,759,631 |
| | | | Bleached | | | | | |
| 1947 | 194,326 | 24,214,603 | 7,320 | 743,782 | 171,084 | 21,692,816 | 15,922 | 1,778,005 |
| 1948 | 255,346 | 37,227,821 | 12,320 | 1,735,157 | 227,287 | 33,283,808 | 15,739 | 2,208,856 |
| 1949 | 362,283 | 46,552,144 | 15,347 | 1,745,940 | 331,709 | 42,786,936 | 15,227 | 2,019,268 |
| | | | Semi-bleached | | | | | |
| 1947 | 21,451 | 2,010,424 | 8,969 | 651,244 | 12,482 | 1,359,180 | — | — |
| 1948 | 17,060 | 1,861,103 | 9,657 | 861,712 | 7,403 | 999,391 | — | — |
| 1949 | 10,184 | 899,759 | 8,759 | 724,816 | 1,419 | 174,221 | 6 | 722 |
| | | | Unbleached | | | | | |
| 1947 | 473,658 | 33,078,708 | 323,558 | 18,606,267 | 122,408 | 12,331,866 | 27,692 | 2,140,575 |
| 1948 | 542,670 | 45,665,855 | 352,956 | 24,059,761 | 160,932 | 18,773,949 | 28,782 | 2,832,145 |
| 1949 | 483,317 | 34,139,752 | 339,045 | 21,401,440 | 121,145 | 10,467,111 | 23,127 | 2,271,201 |

Note: Tonnage "made for export" differs slightly from actual exports.
*Source: Dominion Bureau of Statistics.*

## Table 35. Screenings Utilization

| | Production Tons | Production Value | Made for own use Tons | Made for own use Value | Made for export Tons | Made for export Value | Made for domestic sale Tons | Made for domestic sale Value |
|---|---|---|---|---|---|---|---|---|
| | | | Screenings — Chemical and Mechanical | | | | | |
| 1923 | 43,966 | $ 797,506 | 15,068 | $125,165 | 18,554 | $447,549 | 10,344 | $224,792 |
| 1924 | 50,777 | 816,248 | 20,377 | 175,308 | 18,287 | 400,765 | 12,113 | 240,175 |
| 1925 | 65,364 | 1,106,633 | 23,211 | 197,679 | 24,526 | 565,135 | 17,627 | 343,819 |
| 1926 | 77,310 | 1,132,290 | 33,294 | 284,550 | 28,327 | 579,608 | 15,689 | 268,132 |
| 1927 | 78,282 | 1,098,737 | 27,273 | 200,676 | 40,884 | 749,030 | 10,125 | 149,031 |
| 1928 | 87,591 | 1,134,702 | 39,757 | 423,285 | 31,919 | 506,574 | 15,915 | 204,843 |
| 1929 | 99,182 | 1,217,743 | 47,034 | 445,219 | 30,982 | 490,041 | 21,166 | 282,483 |
| 1930 | 71,158 | 882,027 | 40,535 | 446,778 | 19,599 | 302,195 | 11,024 | 133,054 |
| 1931 | 64,745 | 685,053 | 27,318 | 247,643 | 20,138 | 258,860 | 17,289 | 178,550 |
| 1932 | 53,789 | 406,708 | 28,078 | 206,884 | 10,113 | 80,144 | 15,598 | 119,680 |
| | | | Screenings — Chemical | | | | | |
| 1933 | 27,700 | 228,953 | 10,479 | 54,361 | 6,537 | 75,517 | 10,672 | 99,003 |
| 1934 | 29,851 | 296,107 | 11,716 | 67,768 | 10,322 | 130,613 | 7,813 | 97,726 |
| 1935 | 28,230 | 226,254 | 11,672 | 65,760 | 7,434 | 75,079 | 9,124 | 85,415 |
| 1936 | 38,504 | 305,942 | 16,287 | 103,515 | 8,723 | 88,547 | 13,494 | 113,880 |
| 1937 | 48,871 | 527,450 | 21,438 | 156,129 | 10,959 | 165,736 | 16,474 | 205,585 |
| 1938 | 22,739 | 198,939 | 13,440 | 108,531 | 3,988 | 32,125 | 5,311 | 58,283 |
| 1939 | 27,760 | 231,642 | 15,771 | 130,257 | 4,098 | 23,382 | 7,891 | 78,003 |
| 1940 | 42,741 | 434,257 | 23,315 | 209,089 | 4,021 | 43,827 | 15,405 | 181,341 |
| 1941 | 48,270 | 560,969 | 22,493 | 174,333 | 13,206 | 221,728 | 12,571 | 164,908 |
| 1942 | 51,905 | 727,736 | 24,215 | 224,905 | 14,426 | 282,878 | 13,264 | 219,953 |
| 1943 | 51,053 | 787,239 | 25,416 | 248,911 | 16,038 | 359,715 | 9,599 | 178,613 |
| 1944 | 48,826 | 803,729 | 27,912 | 299,290 | 10,511 | 300,851 | 10,403 | 203,588 |
| 1945 | 53,121 | 797,527 | 31,218 | 268,167 | 10,912 | 330,803 | 10,991 | 198,557 |
| 1946 | 66,277 | 1,268,027 | 35,076 | 367,802 | 10,995 | 396,123 | 20,206 | 504,102 |
| 1947 | 82,228 | 2,125,787 | 40,209 | 656,072 | 14,862 | 728,135 | 27,157 | 741,580 |
| 1948 | 83,894 | 2,288,892 | 43,897 | 824,606 | 13,715 | 606,379 | 26,282 | 857,907 |
| 1949 | 71,179 | 1,579,401 | 39,980 | 854,569 | 7,822 | 176,233 | 23,377 | 548,599 |
| | | | Screenings — Mechanical | | | | | |
| 1933 | 34,496 | 181,481 | 22,639 | 99,102 | 5,530 | 39,619 | 6,339 | 42,832 |
| 1934 | 54,324 | 318,648 | 33,003 | 183,832 | 5,915 | 33,778 | 15,406 | 101,038 |
| 1935 | 59,116 | 289,104 | 34,376 | 143,894 | 9,508 | 49,244 | 15,232 | 95,966 |
| 1936 | 73,944 | 423,103 | 48,691 | 243,958 | 10,254 | 67,846 | 14,999 | 111,299 |
| 1937 | 76,227 | 519,551 | 49,972 | 274,882 | 14,687 | 144,369 | 11,568 | 100,300 |
| 1938 | 58,741 | 479,301 | 36,765 | 308,154 | 8,517 | 41,157 | 13,459 | 129,990 |
| 1939 | 58,082 | 467,971 | 35,310 | 286,648 | 8,210 | 41,562 | 14,562 | 139,761 |
| 1940 | 62,725 | 512,784 | 41,847 | 330,264 | 5,623 | 48,929 | 15,255 | 133,591 |
| 1941 | 55,363 | 422,320 | 33,370 | 193,158 | 8,170 | 85,522 | 13,823 | 143,840 |
| 1942 | 48,021 | 407,032 | 27,385 | 187,980 | 8,533 | 90,805 | 12,103 | 128,247 |
| 1943 | 34,838 | 294,784 | 21,320 | 154,001 | 5,444 | 43,466 | 8,074 | 97,317 |
| 1944 | 36,846 | 428,558 | 23,595 | 261,550 | 3,756 | 38,765 | 9,495 | 128,243 |
| 1945 | 38,953 | 348,424 | 22,404 | 149,027 | 4,792 | 44,632 | 11,757 | 154,765 |
| 1946 | 68,876 | 863,096 | 34,389 | 326,075 | 9,171 | 162,449 | 25,316 | 374,572 |
| 1947 | 69,360 | 1,237,425 | 38,273 | 682,758 | 10,486 | 201,420 | 20,601 | 353,247 |
| 1948 | 69,101 | 1,092,077 | 44,838 | 643,648 | 8,968 | 140,764 | 15,295 | 307,665 |
| 1949 | 54,143 | 1,029,384 | 40,581 | 893,933 | 6,729 | 20,131 | 6,833 | 115,320 |

Note: Tonnage "made for export" differs slightly from actual exports.
*Source: Dominion Bureau of Statistics.*

Table 36.

## Defibrated and Exploded Pulps Utilization

| | Production | | Made for own use | | Made for Export | | Made for domestic sale | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1946 | 48,009 | $1,019,492 | 48,009 | $1,019,492 | — | — | — | — |
| 1947 | 52,613 | 1,244,072 | 52,613 | 1,244,072 | — | — | — | — |
| 1948 | 65,636 | 2,544,930 | 65,636 | 2,544,930 | — | — | — | — |
| 1949 | 75,403 | 2,289,933 | 75,403 | 2,289,933 | — | — | — | — |

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

*Source: Dominion Bureau of Statistics.*

Table 37.

## Other Pulps Utilization

Including certain grades of chemical, semi-chemical, and mechanical pulp.

| | Production | | Made for own use | | Made for Export | | Made for domestic sale | |
|---|---|---|---|---|---|---|---|---|
| | Tons | Value | Tons | Value | Tons | Value | Tons | Value |
| 1920 | 27,228 | $2,144,848 | 7,065 | $ 526,658 | 11,165 | $ 964,164 | 8,998 | $ 654,026 |
| 1921 | 9,256 | 478,326 | 3,681 | 304,865 | 3,024 | 50,023 | 2,551 | 123,438 |
| 1922 | 12,326 | 310,292 | 1,107 | 66,450 | 6,255 | 128,240 | 4,964 | 115,602 |
| 1923 | 1,752 | 117,727 | 1,683 | 114,277 | — | — | 69 | 3,450 |
| 1924 | 3,051 | 195,417 | 3,051 | 195,417 | — | — | — | — |
| 1925 | 1,189 | 83,015 | 1,189 | 83,015 | — | — | — | — |
| 1926 | 5,876 | 339,792 | 5,876 | 339,792 | — | — | — | — |
| 1927 | 11,246 | 678,764 | 7,064 | 386,024 | 354 | 24,780 | 3,828 | 267,960 |
| 1928 | 18,559 | 1,106,868 | 8,121 | 439,268 | 4,349 | 280,976 | 6,089 | 386,624 |
| 1929 | 14,937 | 1,047,290 | — | — | 6,366 | 447,320 | 8,571 | 599,970 |
| 1930 | 12,804 | 768,240 | — | — | 2,910 | 189,150 | 9,894 | 579,090 |
| 1931 | 8,667 | 433,350 | — | — | 3,537 | 177,217 | 5,130 | 256,133 |
| 1932 | 7,133 | 356,650 | — | — | 4,656 | 232,800 | 2,477 | 123,850 |
| 1933 | 11,964 | 512,540 | — | — | 9,137 | 399,460 | 2,827 | 113,080 |
| 1934 | 15,097 | 624,872 | — | — | 12,135 | 484,347 | 2,962 | 140,525 |
| 1935 | 20,887 | 954,075 | 850 | 38,250 | 17,537 | 803,325 | 2,500 | 112,500 |
| 1936 | 20,238 | 961,305 | 3,457 | 162,676 | 11,182 | 531,145 | 5,599 | 267,484 |
| 1937 | 21,916 | 1,126,432 | 4,673 | 241,646 | 10,580 | 553,078 | 6,663 | 331,708 |
| 1938 | 19,183 | 918,904 | 3,699 | 176,361 | 9,364 | 440,964 | 6,120 | 301,579 |
| 1939 | 21,562 | 1,013,398 | 4,104 | 200,627 | 9,469 | 437,734 | 7,989 | 375,037 |
| 1940 | 27,698 | 1,646,513 | 4,933 | 290,566 | 11,868 | 731,581 | 10,897 | 624,366 |
| 1941 | 31,033 | 1,983,144 | 4,649 | 292,912 | 16,312 | 1,068,218 | 10,072 | 622,014 |
| 1942 | 33,731 | 2,155,963 | 5,118 | 322,212 | 18,629 | 1,216,607 | 9,984 | 617,144 |
| 1943 | 34,034 | 2,303,608 | 4,567 | 287,404 | 19,798 | 1,418,576 | 9,669 | 597,628 |
| 1944 | 31,814 | 2,255,364 | 4,558 | 289,401 | 17,526 | 1,363,200 | 9,730 | 602,763 |
| 1945 | 48,396 | 2,778,018 | 17,042 | 547,652 | 21,606 | 1,643,995 | 9,748 | 586,371 |
| 1946 | 42,150 | 2,852,383 | 12,843 | 593,892 | 19,096 | 1,546,812 | 10,211 | 711,679 |
| 1947 | 57,234 | 4,364,271 | 23,776 | 1,049,338 | 20,898 | 2,193,261 | 12,560 | 1,121,672 |
| 1948 | 89,848 | 6,515,005 | 52,201 | 2,101,433 | 24,213 | 2,904,153 | 13,434 | 1,509,419 |
| 1949 | 86,224 | 6,264,152 | 48,900 | 2,081,835 | 27,036 | 3,002,831 | 10,288 | 1,179,486 |

Note: Tonnage "made for export" differs slightly from actual exports.

*Source: Dominion Bureau of Statistics.*

Table 38.

## Destination of Pulp Exports

| | Sulphite | Tons | Sulphate | Tons |
|---|---|---|---|---|
| To: | 1949 | 1948 | 1949 | 1948 |
| United States | 641,685 | 914,696 | 438,472 | 368,082 |
| British Empire | 149,296 | 129,024 | 12,537 | 19,431 |
| Latin America | 4,337 | 10,023 | 1,081 | 465 |
| Europe | 31,392 | 10,281 | 18,070 | 1,621 |
| Asia | 11,249 | 2,510 | — | — |
| | 838,059 | 1,066,534 | 470,160 | 389,599 |

*Source: Dominion Bureau of Statistics.*

Table 39.

## Average Values of U.S. Pulp Imports

Because each type of pulp is manufactured in a variety of grades, and because Canadian pulps differ from those manufactured elsewhere, the following figures are useful merely to indicate past trends:

| Per ton | Bleached Sulphite | Unbleached Sulphite | Bleached Sulphate | Unbleached Sulphate | Soda | Mechanical |
|---|---|---|---|---|---|---|
| 1925 | $70.09 | $48.62 | $50.74 | $53.26 | nil | $25.72 |
| 1926 | 71.71 | 52.57 | 57.98 | 56.52 | nil | 27.25 |
| 1927 | 69.52 | 49.83 | 58.65 | 54.13 | nil | 24.27 |
| 1928 | 67.76 | 45.41 | 54.74 | 49.58 | nil | 21.84 |
| 1929 | 67.69 | 44.97 | 66.24 | 47.71 | nil | 22.84 |
| 1930 | 62.83 | 44.56 | 67.13 | 41.08 | $58.44 | 23.88 |
| 1931 | 52.81 | 38.02 | 68.19 | 31.18 | 48.39 | 21.34 |
| 1932 | 42.27 | 29.96 | 75.50 | 28.22 | 37.29 | 17.34 |
| 1933 | 42.65 | 27.70 | 57.59 | 24.29 | 34.85 | 15.28 |
| 1934 | 48.75 | 32.27 | 61.68 | 28.53 | 40.82 | 17.14 |
| 1935 | 51.08 | 34.67 | 61.35 | 30.18 | 43.50 | 17.24 |
| 1936 | 50.42 | 34.04 | 57.09 | 31.10 | 44.40 | 17.79 |
| 1937 | 57.51 | 37.69 | 62.71 | 35.78 | 51.92 | 19.88 |
| 1938 | 59.53 | 39.11 | 60.59 | 38.11 | 49.29 | 22.66 |
| 1939 | 51.17 | 35.38 | 52.14 | 31.07 | 45.62 | 22.88 |
| 1940 | 65.82 | 44.60 | 68.23 | 40.68 | 55.70 | 27.57 |
| 1941 | 71.90 | 54.02 | 80.51 | 58.16 | 60.51 | 28.23 |
| 1942 | 72.86 | 56.09 | 84.55 | 61.08 | 60.26 | 34.57 |
| 1943 | 74.99 | 57.89 | 85.72 | 62.94 | 65.59 | 32.28 |
| 1944 | 84.29 | 65.99 | 85.85 | 66.77 | 71.68 | 38.31 |
| 1945 | 84.21 | 65.05 | 80.83 | 62.42 | 75.57 | 39.75 |
| 1946 | 97.23 | 74.29 | 91.31 | 69.72 | 83.15 | 45.72 |
| 1947 | 133.73 | 108.24 | 125.49 | 113.40 | 113.01 | 61.99 |
| 1948 | 146.30 | 122.83 | 150.11 | 130.22 | 125.46 | 64.30 |
| 1949 | 124.75 | 94.09 | 121.57 | 88.03 | 114.59 | 57.57 |

*Source: United States Pulp Producers Association.*

## Table 40.
## Canadian Pulp in U.S. Market

The following figures cover all grades of pulp including mechanical and screenings. Over the war years imports of mechanical pulp by the United States have averaged some 17 per cent of total pulp imports.

| Tons | U.S. Pulp Production | Total U.S. Imports | U.S. Imports from Canada | U.S. Exports | U.S. Net Imports |
|---|---|---|---|---|---|
| 1925 | 3,962,217 | 1,663,614 | 880,453 | 37,995 | 1,625,619 |
| 1926 | 4,394,766 | 1,731,413 | 864,333 | 34,220 | 1,697,193 |
| 1927 | 4,313,403 | 1,675,768 | 778,999 | 32,006 | 1,643,762 |
| 1928 | 4,510,800 | 1,754,963 | 784,981 | 33,484 | 1,721,479 |
| 1929 | 4,862,885 | 1,880,728 | 796,945 | 54,066 | 1,826,662 |
| 1930 | 4,630,308 | 1,830,217 | 735,864 | 48,426 | 1,781,791 |
| 1931 | 4,409,344 | 1,596,421 | 550,127 | 53,308 | 1,543,113 |
| 1932 | 3,760,267 | 1,481,760 | 425,326 | 47,860 | 1,433,900 |
| 1933 | 4,276,204 | 1,941,576 | 550,871 | 79,193 | 1,862,383 |
| 1934 | 4,436,128 | 1,805,972 | 541,728 | 142,932 | 1,663,040 |
| 1935 | 4,925,669 | 1,933,249 | 541,078 | 171,710 | 1,761,539 |
| 1936 | 5,695,219 | 2,277,500 | 670,962 | 193,485 | 2,084,015 |
| 1937 | 6,572,918 | 2,394,605 | 712,238 | 322,544 | 2,072,061 |
| 1938 | 5,933,560 | 1,710,393 | 467,323 | 140,484 | 1,569,909 |
| 1939 | 6,993,334 | 2,026,441 | 637,953 | 139,504 | 1,886,937 |
| 1940 | 8,959,559 | 1,224,570 | 828,307 | 480,938 | 743,632 |
| 1941 | 10,375,422 | 1,157,886 | 1,130,624 | 328,608 | 829,278 |
| 1942 | 10,783,430 | 1,236,519 | 1,210,960 | 378,148 | 858,371 |
| 1943 | 9,680,462 | 1,305,549 | 1,279,886 | 300,700 | 1,004,849 |
| 1944 | 10,108,443 | 1,071,864 | 1,071,814 | 218,401 | 853,463 |
| 1945 | 10,167,200 | 1,754,065 | 1,079,014 | 135,997 | 1,618,068 |
| 1946 | 10,606,527 | 1,805,418 | 1,244,215 | 39,361 | 1,766,057 |
| 1947 | 11,945,864 | 2,322,460 | 1,520,913 | 130,096 | 2,192,364 |
| 1948 | 12,872,292 | 2,176,111 | 1,593,584 | 93,727 | 2,082,388 |
| 1949 | 12,156,897 | 1,764,052 | 1,314,183a | 122,133 | 1,641,919 |

a: Includes Newfoundland.

*Source: United States Pulp Producers Association.*

## Table 41.
## World Pulp Figures — 1949

In 000's of short tons

| | Production | Imports | Exports |
|---|---|---|---|
| Canada (incl. Newfoundland) | 7,798 | 35 | 1,557 |
| United States | 12,157 | 1,764 | 122 |
| | 19,955 | 1,799 | 1,679 |
| Finland | 1,778 | 0 | 1,020 |
| Norway | 994 | 20 | 503 |
| Sweden | 3,095 | (a) | 2,087 |
| | 5,867 | 20 | 3,610 |
| Western Europe (b) (c) | 743 | 2,354 | (a) |
| Other countries (b) (d) | 2,825 | 1,074 | 114 |
| Total, above countries (b) (d) | 29,390 | 5,247 | 5,403 |

(a) Less than 1,000 tons.

(b) Figures for some countries are partially estimated.

(c) Includes Belgium, Denmark, France, Great Britain, Netherlands, and Spain.

(d) Data for U.S.S.R., Eastern Europe, Russian Zone of Germany, and Southeastern Europe are not available and hence excluded.

*Source: United States Pulp Producers Association.*

## Table 42.
## Exports of Unbleached Sulphite Pulp from Newfoundland

| Year† | TOTAL Quantity Tons | TOTAL Value $ | UNITED KINGDOM Quantity Tons | UNITED KINGDOM Value $ | UNITED STATES Quantity Tons | UNITED STATES Value $ | CANADA Quantity Tons | CANADA Value $ | OTHER COUNTRIES Quantity Tons | OTHER COUNTRIES Value $ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1910 | n.a. | 7,140 | n.a. | 7,140 | — | — | — | — | — | — |
| 1911 | — | — | — | — | — | — | — | — | — | — |
| 1912 | n.a. | 200 | n.a. | 200 | — | — | — | — | — | — |
| 1913 | — | — | — | — | — | — | — | — | — | — |
| 1914 | n.a. | 1,000 | n.a. | 1,000 | — | — | — | — | — | — |
| 1915 | — | — | — | — | — | — | — | — | — | — |
| 1916 | n.a. | 74,284 | n.a. | 74,284 | — | — | — | — | — | — |
| 1917 | n.a. | 286,693 | n.a. | 266,362 | n.a. | 20,331 | — | — | — | — |
| 1918 | 2,659 | 293,091 | 2,472 | 276,854 | 187 | 16,237 | — | — | — | — |
| 1919 | 4,023 | 431,913 | 1,630 | 183,691 | 793 | 88,610 | — | — | 1,600 | 159,412 |
| 1920 | 2,324 | 205,151 | 2,112 | 190,895 | 212 | 14,256 | — | — | — | — |
| 1921 | — | — | — | — | — | — | — | — | — | — |
| 1922 | — | — | — | — | — | — | — | — | — | — |
| 1923 | — | — | — | — | — | — | — | — | — | — |
| 1924 | — | — | — | — | — | — | — | — | — | — |
| 1925 | — | — | — | — | — | — | — | — | — | — |
| 1926 | — | — | — | — | — | — | — | — | — | — |
| 1927 | — | — | — | — | — | — | — | — | — | — |
| 1928 | — | — | — | — | — | — | — | — | — | — |
| 1929 | — | — | — | — | — | — | — | — | — | — |
| 1930 | — | — | — | — | — | — | — | — | — | — |
| 1931 | — | — | — | — | — | — | — | — | — | — |
| 1932 | — | — | — | — | — | — | — | — | — | — |
| 1933 | — | — | — | — | — | — | — | — | — | — |
| 1934 | — | — | — | — | — | — | — | — | — | — |
| 1935 | — | — | — | — | — | — | — | — | — | — |
| 1936 | — | — | — | — | — | — | — | — | — | — |
| 1937 | — | — | — | — | — | — | — | — | — | — |
| 1938 | 4,334 | 182,618 | 4,334 | 182,618 | — | — | — | — | — | — |
| 1939 | — | — | — | — | — | — | — | — | — | — |
| 1940 | 11,111 | 512,949 | 11,111 | 512,949 | — | — | — | — | — | — |
| 1941 | 28,932 | 1,676,921 | 23,651 | 1,401,195 | 5,281 | 275,726 | — | — | — | — |
| 1942 | 57,849 | 3,284,247 | 23,724 | 1,461,085 | 32,709 | 1,733,893 | — | — | 1,416 | 89,269 |
| 1943 | 30,827 | 1,742,820 | 12,711 | 765,260 | 16,903 | 915,652 | 1,213 | 61,908 | — | — |
| 1944 | 36,541 | 2,088,100 | 19,546 | 1,176,842 | 16,995 | 911,258 | — | — | — | — |
| 1945 | 27,559 | 1,661,620 | 25,820 | 1,552,136 | 1,739 | 109,483 | — | 1 | — | — |
| 1945* | 33,753 | 2,299,055 | 27,092 | 1,901,983 | 2,969 | 182,883 | 3,414 | 191,181 | 278 | 23,008 |
| 1946 | 15,177 | 1,231,586 | 14,382 | 1,190,151 | 795 | 41,435 | — | — | — | — |
| 1947 | 39,755 | 2,753,059 | 34,617 | 2,436,270 | 5,138 | 316,789 | — | — | — | — |
| 1948 | 42,139 | 3,224,896 | 36,091 | 2,866,043 | 6,048 | 358,853 | — | — | — | — |

† 1910-1942, fiscal years ending June 30; 1943, 9 months ending March 31; 1944-45, fiscal year ending March 31; 1945*, 9 months ending December 31; 1946-1948, calendar years.

n.a.: Not available.

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals and will not be shown separately in future.

*Source: Newfoundland Customs Returns.*

Table 43.

## Exports of Mechanical Pulp from Newfoundland

| Year† | TOTAL Quantity Tons | TOTAL Value $ | UNITED KINGDOM Quantity Tons | UNITED KINGDOM Value $ | UNITED STATES Quantity Tons | UNITED STATES Value $ | CANADA Quantity Tons | CANADA Value $ | OTHER COUNTRIES Quantity Tons | OTHER COUNTRIES Value $ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1910 | 6,853 | 69,164 | 6,698 | 67,611 | 155 | 1,553 | — | — | — | — |
| 1911 | 27,177 | 251,048 | 21,355 | 196,787 | 5,822 | 54,261 | — | — | — | — |
| 1912 | 42,102 | 361,149 | 35,619 | 316,257 | 6,483 | 44,892 | — | — | — | — |
| 1913 | 51,487 | 436,352 | 40,367 | 314,568 | 11,120 | 121,784 | — | — | — | — |
| 1914 | 51,605 | 372,676 | 51,605 | 372,676 | — | — | — | — | — | — |
| 1915 | 48,451 | 379,220 | 46,969 | 364,400 | 1,482 | 14,820 | — | — | — | — |
| 1916 | 22,892 | 197,608 | — | — | 22,892 | 197,608 | — | — | — | — |
| 1917 | 27,413 | 351,072 | 16,604 | 167,568 | 10,809 | 183,504 | — | — | — | — |
| 1918 | 11,494 | 111,358 | — | — | 11,494 | 111,358 | — | — | — | — |
| 1919 | 3,128 | 43,265 | 1,940 | 34,920 | 691 | 4,715 | — | — | 497 | 3,630 |
| 1920 | 17,540 | 129,125 | 15,559 | 119,450 | 1,981 | 9,675 | — | — | — | — |
| 1921 | 26,838 | 246,009 | 24,521 | 211,856 | 2,317 | 34,153 | — | — | — | — |
| 1922 | 19,932 | 364,514 | 19,932 | 364,514 | — | — | — | — | — | — |
| 1923 | 21,680 | 364,289 | 21,680 | 364,289 | — | — | — | — | — | — |
| 1924 | 31,674 | 531,833 | 24,405 | 408,873 | 2,000 | 33,841 | 5,269 | 89,119 | — | — |
| 1925 | 12,711 | 215,896 | 12,265 | 208,343 | 446 | 7,553 | — | — | — | — |
| 1926 | 11,147 | 175,325 | 8,505 | 134,633 | 2,642 | 40,692 | — | — | — | — |
| 1927 | 3,689 | 56,801 | — | — | 3,689 | 56,801 | — | — | — | — |
| 1928 | 22 | 143 | 22 | 143 | — | — | — | — | — | — |
| 1929 | 65 | 956 | — | — | 65 | 956 | — | — | — | — |
| 1930 | — | 6 | — | — | — | — | — | 6 | — | — |
| 1931 | — | — | — | — | — | — | — | — | — | — |
| 1932 | — | — | — | — | — | — | — | — | — | — |
| 1933 | — | — | — | — | — | — | — | — | — | — |
| 1934 | — | — | — | — | — | — | — | — | — | — |
| 1935 | — | — | — | — | — | — | — | — | — | — |
| 1936 | — | — | — | — | — | — | — | — | — | — |
| 1937 | — | — | — | — | — | — | — | — | — | — |
| 1938 | — | — | — | — | — | — | — | — | — | — |
| 1939 | — | — | — | — | — | — | — | — | — | — |
| 1940 | 98 | 3,463 | 98 | 3,463 | — | — | — | — | — | — |
| 1941 | 8,685 | 252,557 | 7,920 | 234,715 | 765 | 17,842 | — | — | — | — |
| 1942 | 22,779 | 790,137 | 11,777 | 395,780 | 9,783 | 334,548 | — | — | 1,219 | 59,809 |
| 1943 | 24,825 | 870,777 | 19,356 | 672,342 | 5,469 | 198,435 | — | — | — | — |
| 1444 | 35,517 | 1,463,790 | 32,733 | 1,376,396 | 2,784 | 87,394 | — | — | — | — |
| 1945 | 38,250 | 1,814,895 | 36,238 | 1,684,157 | 1,922 | 126,988 | 90 | 3,750 | — | — |
| 1945* | 12,389 | 744,931 | 11,862 | 721,631 | 527 | 23,300 | — | — | — | — |
| 1946 | 246 | 14,986 | — | — | — | — | 246 | 14,986 | — | — |
| 1947 | 404 | 24,900 | 404 | 24,900 | — | — | — | — | — | — |
| 1948 | 2,435 | 154,637 | 374 | 23,016 | 828 | 58,228 | 1,233 | 73,393 | — | — |

† 1910-1942, fiscal years ending June 30; 1943, 9 months ending March 31; 1944-45, fiscal year ending March 31; 1945*, 9 months ending December 31; 1946-1948, calendar years.

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals and will not be shown separately in future.

*Source: Newfoundland Customs Returns.*

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*Data in this section have been compiled by Newsprint Association of Canada from the sources mentioned.*

## Table 44.
### Newsprint Capacity and Production

All figures include Newfoundland.

| Tons | Capacity | Operating Ratio | Production |
|---|---|---|---|
| 1913 | ..... | ... | 402,000 |
| 1914 | ..... | ... | 470,000 |
| 1915 | ..... | ... | 549,000 |
| 1916 | ..... | ... | 662,000 |
| 1917 | ..... | ... | 722,000 |
| 1918 | 837,000 | 92.0 | 770,000 |
| 1919 | 905,000 | 93.8 | 849,000 |
| 1920 | 1,016,000 | 92.3 | 938,000 |
| 1921 | 1,151,000 | 74.0 | 852,000 |
| 1922 | 1,277,000 | 89.5 | 1,143,244 |
| 1923 | 1,465,000 | 90.8 | 1,330,138 |
| 1924 | 1,638,000 | 86.5 | 1,417,642 |
| 1925 | 1,823,000 | 88.8 | 1,618,805 |
| 1926 | 2,121,000 | 97.5 | 2,068,208 |
| 1927 | 2,716,000 | 84.3 | 2,289,801 |
| 1928 | 3,262,000 | 80.1 | 2,611,847 |
| 1929 | 3,512,000 | 85.0 | 2,984,327 |
| 1930 | 3,902,000 | 71.5 | 2,791,406 |
| 1931 | 4,127,000 | 61.0 | 2,516,437 |
| 1932 | 4,142,000 | 52.8 | 2,186,120 |
| 1933 | 4,149,000 | 55.0 | 2,282,066 |
| 1934 | 4,182,000 | 69.6 | 2,911,355 |
| 1935 | 4,263,120 | 72.3 | 3,082,994 |
| 1936 | 4,217,860 | 83.8 | 3,535,465 |
| 1937 | 4,210,743 | 94.9 | 3,997,942 |
| 1938 | 4,534,884 | 63.8 | 2,892,984 |
| 1939 | 4,632,936 | 68.5 | 3,174,544 |
| 1940 | 4,716,030 | 79.9 | 3,769,946 |
| 1941 | 4,702,671 | 80.2 | 3,770,665 |
| 1942 | 4,763,235 | 72.5 | 3,454,528 |
| 1943 | 4,677,951 | 68.8 | 3,219,004 |
| 1944 | 4,726,464 | 69.1 | 3,264,581 |
| 1945 | 4,672,080 | 76.9 | 3,591,901 |
| 1946 | 4,640,944 | 97.1 | 4,506,063 |
| 1947 | 4,728,724 | 101.9 | 4,820,164 |
| 1948 | 4,883,127 | 102.0 | 4,982,834 |
| 1949 | 5,113,108 | 101.2 | 5,176,327 |

Figures for 1913-17 cover fiscal years.
*Source: Newsprint Association of Canada and Newsprint Service Bureau.*

## Table 45.
### Newsprint Shipments and Mill Stocks

| | Shipments to: | | | | |
|---|---|---|---|---|---|
| Tons | Canada & Newfoundland | U.S.A. | Overseas | Total | Mill Stocks |
| 1913 | ..... | 218,000 | 92,000 | ..... | ..... |
| 1914 | ..... | 310,000 | 104,000 | ..... | ..... |
| 1915 | ..... | 367,000 | 95,000 | ..... | ..... |
| 1916 | ..... | 473,000 | 125,000 | ..... | ..... |
| 1917 | ..... | 535,000 | 79,000 | ..... | ..... |
| 1918 | ..... | 602,000 | 65,000 | ..... | ..... |
| 1919 | ..... | 637,000 | 115,000 | ..... | ..... |
| 1920 | 110,000 | 673,000 | 160,000 | 943,000 | 137,000 |
| 1921 | 95,000 | 655,000 | 96,000 | 846,000 | 143,000 |
| 1922 | 129,000 | 888,000 | 136,000 | 1,153,000 | 133,000 |
| 1923 | 120,000 | 1,115,000 | 85,000 | 1,320,000 | 143,000 |
| 1924 | 127,000 | 1,196,000 | 88,000 | 1,411,000 | 150,000 |
| 1925 | 124,000 | 1,345,000 | 148,000 | 1,617,274 | 151,362 |
| 1926 | 147,000 | 1,744,000 | 182,000 | 2,073,136 | 146,434 |
| 1927 | 181,000 | 1,837,000 | 234,000 | 2,252,004 | 184,231 |
| 1928 | 193,000 | 2,073,000 | 370,000 | 2,636,004 | 160,074 |
| 1929 | 208,000 | 2,330,000 | 442,000 | 2,980,345 | 164,056 |
| 1930 | 162,000 | 2,173,000 | 442,000 | 2,777,283 | 178,179 |
| 1931 | 195,000 | 1,923,000 | 377,000 | 2,494,975 | 199,641 |
| 1932 | 146,000 | 1,658,000 | 386,000 | 2,190,130 | 195,631 |
| 1933 | 148,640 | 1,715,331 | 459,447 | 2,323,418 | 154,279 |
| 1934 | 173,755 | 2,113,767 | 625,877 | 2,913,399 | 152,235 |
| 1935 | 200,303 | 2,122,099 | 727,338 | 3,049,740 | 185,489 |
| 1936 | 194,808 | 2,550,925 | 845,778 | 3,591,511 | 129,443 |
| 1937 | 220,200 | 3,044,731 | 766,933 | 4,031,864 | 95,521 |
| 1938 | 159,792 | 1,940,303 | 680,229 | 2,780,324 | 208,181 |
| 1939 | 190,102 | 2,281,460 | 653,151 | 3,124,713 | 258,012 |
| 1940 | 184,605 | 2,741,363 | 877,851 | 3,803,819 | 224,139 |
| 1941 | 197,508 | 2,987,235 | 616,890 | 3,801,633 | 193,171 |
| 1942 | 203,484 | 3,006,592 | 278,791 | 3,488,867 | 158,832 |
| 1943 | 193,848 | 2,680,790 | 398,640 | 3,273,278 | 104,558 |
| 1944 | 188,261 | 2,529,693 | 553,457 | 3,271,411 | 97,728 |
| 1945 | 201,492 | 2,665,947 | 685,469 | 3,552,908 | 136,721 |
| 1946 | 248,366 | 3,563,124 | 684,770 | 4,496,260 | 146,524 |
| 1947 | 275,144 | 3,897,300 | 700,839 | 4,873,283 | 93,405 |
| 1948 | 306,485 | 4,127,970 | 532,589 | 4,967,044 | 109,195 |
| 1949 | 335,385 | 4,380,250 | 448,697 | 5,164,332 | 121,190 |

Figures for 1913-17 cover fiscal years.
*Source: Newsprint Association of Canada and Newsprint Service Bureau.*

## Table 46.
### Newsprint Capacity and Production

All figures include Newfoundland.

| Tons | Number of Work Days | Capacity Per Day | Production Per Day |
|---|---|---|---|
| 1935 | 310 | 13,752 | 9,945 |
| 1936 | 310 | 13,606 | 11,405 |
| 1937 | 309 | 13,627 | 12,938 |
| 1938 | 309 | 14,676 | 9,362 |
| 1939 | 308 | 15,042 | 10,307 |
| 1940 | 310 | 15,213 | 12,161 |
| 1941 | 309 | 15,219 | 12,203 |
| 1942 | 309 | 15,415 | 11,180 |
| 1943 | 309 | 15,139 | 10,417 |
| 1944 | 309 | 15,296 | 10,565 |
| 1945 | 309 | 15,120 | 11,624 |
| 1946 | 308 | 15,068 | 14,630 |
| 1947 | 308 | 15,353 | 15,650 |
| 1948 | 309 | 15,803 | 16,126 |
| 1949 | 308 | 16,601 | 16,806 |

Because of variations in the number of workdays in a year or a month, daily capacity provides the most accurate measurement of changes in capacity.
*Source: Newsprint Association of Canada.*

## Table 47.
### Newsprint Overseas Shipments

Including Shipments from Newfoundland.

| Tons | British Isles | Australia & N.Z. | South America | Central America | All Others |
|---|---|---|---|---|---|
| 1935 | 330,331 | 143,106 | 95,907 | 21,707 | 136,287 |
| 1936 | 347,516 | 232,502 | 104,439 | 35,016 | 126,305 |
| 1937 | 408,043 | 125,222 | 101,468 | 42,508 | 89,692 |
| 1938 | 384,149 | 213,400 | 35,245 | 15,351 | 32,084 |
| 1939 | 354,211 | 171,839 | 54,501 | 29,757 | 42,843 |
| 1940 | 335,586 | 196,028 | 172,153 | 56,454 | 117,630 |
| 1941 | 150,863 | 91,441 | 208,144 | 60,735 | 105,707 |
| 1942 | 69,659 | 10,780 | 99,336 | 64,355 | 34,661 |
| 1943 | 127,856 | 52,202 | 133,188 | 47,308 | 38,086 |
| 1944 | 149,934 | 111,543 | 140,686 | 75,883 | 75,411 |
| 1945 | 223,044 | 116,211 | 146,700 | 78,957 | 120,557 |
| 1946 | 119,631 | 195,067 | 158,373 | 96,576 | 115,123 |
| 1947 | 131,203 | 212,444 | 131,658 | 102,382 | 123,152 |
| 1948 | 123,310 | 78,196 | 95,213 | 112,198 | 123,672 |
| 1949 | 126,484 | 74,000 | 33,417 | 106,332 | 108,464 |

*Source: Newsprint Association of Canada.*

Table 48.

## Production and Exports of Newsprint

| 000's Tons | Canadian Production (a) | To United States | To United Kingdom | To Australia | To Other Countries | Total exports | Balance (b) |
|---|---|---|---|---|---|---|---|
| 1919 | 795 | 623 | 16 | 36 | 33 | 708 | 87 |
| 1920 | 876 | 670 | 11 | 39 | 42 | 762 | 114 |
| 1921 | 805 | 655 | .. | 26 | 28 | 709 | 96 |
| 1922 | 1,081 | 888 | 14 | 33 | 25 | 960 | 121 |
| 1923 | 1,252 | 1,115 | .. | 7 | 16 | 1,138 | 114 |
| 1924 | 1,388 | 1,193 | 6 | 1 | 19 | 1,219 | 169 |
| 1925 | 1,537 | 1,321 | 20 | 8 | 53 | 1,402 | 135 |
| 1926 | 1,889 | 1,628 | 15 | 31 | 58 | 1,732 | 157 |
| 1927 | 2,083 | 1,748 | 42 | 46 | 46 | 1,882 | 201 |
| 1928 | 2,414 | 1,935 | 131 | 49 | 92 | 2,207 | 207 |
| 1929 | 2,725 | 2,173 | 178 | 63 | 101 | 2,515 | 210 |
| 1930 | 2,498 | 2,008 | 134 | 45 | 146 | 2,333 | 165 |
| 1931 | 2,227 | 1,753 | 104 | 30 | 121 | 2,008 | 219 |
| 1932 | 1,919 | 1,520 | 82 | 39 | 136 | 1,777 | 142 |
| 1933 | 2,022 | 1,520 | 107 | 58 | 153 | 1,838 | 184 |
| 1934 | 2,605 | 1,960 | 84 | 100 | 270 | 2,414 | 191 |
| 1935 | 2,765 | 2,052 | 115 | 108 | 300 | 2,575 | 190 |
| 1936 | 3,225 | 2,399 | 94 | 179 | 321 | 2,993 | 232 |
| 1937 | 3,674 | 2,899 | 148 | 118 | 290 | 3,455 | 219 |
| 1938 | 2,669 | 1,938 | 172 | 178 | 137 | 2,425 | 244 |
| 1939 | 2,927 | 2,206 | 177 | 131 | 145 | 2,659 | 268 |
| 1940 | 3,504 | 2,586 | 145 | 164 | 348 | 3,243 | 261 |
| 1941 | 3,520 | 2,762 | 94 | 73 | 333 | 3,262 | 258 |
| 1942 | 3,257 | 2,792 | 35 | 7 | 171 | 3,005 | 252 |
| 1943 | 3,046 | 2,545 | 30 | 22 | 213 | 2,810 | 236 |
| 1944 | 3,040 | 2,409 | 42 | 81 | 274 | 2,806 | 234 |
| 1945 | 3,324 | 2,534 | 106 | 90 | 329 | 3,059 | 265 |
| 1946 | 4,162 | 3,323 | 83 | 135 | 317 | 3,858 | 304 |
| 1947 | 4,474 | 3,675 | 56 | 162 | 328 | 4,221 | 253 |
| 1948 | 4,640 | 3,917 | 61 | 44 | 306 | 4,328 | 312 |
| 1949 | 5,187 | 4,346 | 108 | 48 | 443 | 4,789 | 398 |

(a) Production figures include relatively small quantities of hanging paper, poster paper, and side runs for pulping.

(b) Balance consists of Canada's home consumption, plus or minus changes in stocks held by manufacturers and distortion caused by irregular freight movement at successive year ends.

Figures for 1919-1948 do not include Newfoundland.

*Source: Dominion Bureau of Statistics.*

Table 49.

## Value of Newsprint Production and Exports

| | Production | Exports |
|---|---|---|
| 1915 | $ a | $ 16,438,679 |
| 1916 | a | 21,098,997 |
| 1917 | 38,868,084 | 32,561,020 |
| 1918 | 46,230,814 | 37,301,269 |
| 1919 | 54,427,879 | 49,811,362 |
| 1920 | 80,865,271 | 72,920,225 |
| 1921 | 78,784,598 | 69,786,317 |
| 1922 | 75,971,327 | 68,362,817 |
| 1923 | 93,213,340 | 85,611,258 |
| 1924 | 100,276,903 | 90,990,711 |
| 1925 | 106,268,641 | 98,945,337 |
| 1926 | 121,064,946 | 114,090,595 |
| 1927 | 132,286,729 | 123,222,094 |
| 1928 | 144,146,632 | 141,103,527 |
| 1929 | 150,800,157 | 148,865,648 |
| 1930 | 136,181,883 | 133,370,932 |
| 1931 | 111,419,637 | 107,233,112 |
| 1932 | 85,539,852 | 82,966,169 |
| 1933 | 66,959,501 | 69,200,515 |
| 1934 | 86,811,460 | 82,503,659 |
| 1935 | 91,762,201 | 87,924,251 |
| 1936 | 105,214,533 | 103,639,634 |
| 1937 | 126,424,303 | 126,466,412 |
| 1938 | 107,051,202 | 104,615,042 |
| 1939 | 120,858,583 | 115,687,288 |
| 1940 | 158,447,311 | 151,360,196 |
| 1941 | 158,925,310 | 154,356,543 |
| 1942 | 147,074,109 | 141,065,618 |
| 1943 | 152,962,868 | 144,707,065 |
| 1944 | 165,655,165 | 157,190,834 |
| 1945 | 189,023,736 | 179,450,771 |
| 1946 | 280,809,610 | 265,864,969 |
| 1947 | 355,540,669 | 342,293,158 |
| 1948 | 402,099,718 | 383,122,743 |
| 1949 | 467,976,343 | 440,044,067 |

a: Not available.

Figures for 1915-1948 do not include Newfoundland.

*Source: Dominion Bureau of Statistics.*

Table 50.

## U.S. Newsprint Production

| Tons | Capacity | Production | Shipments to: U.S.A. | Shipments to: Overseas | Total Shipments |
|---|---|---|---|---|---|
| 1913 | ..... | 1,305,000 | ..... | ..... | ..... |
| 1914 | ..... | 1,313,000 | ..... | ..... | ..... |
| 1915 | ..... | 1,239,000 | ..... | ..... | ..... |
| 1916 | ..... | 1,315,000 | ..... | ..... | ..... |
| 1917 | ..... | 1,359,000 | ..... | ..... | ..... |
| 1918 | 1,450,000 | 1,260,000 | ..... | ..... | ..... |
| 1919 | 1,388,000 | 1,375,000 | ..... | ..... | ..... |
| 1920 | 1,548,000 | 1,511,968 | ..... | ..... | 1,502,574 |
| 1921 | 1,668,000 | 1,225,235 | ..... | ..... | 1,226,064 |
| 1922 | 1,639,000 | 1,447,688 | ..... | ..... | 1,452,414 |
| 1923 | 1,578,000 | 1,485,000 | ..... | ..... | 1,477,332 |
| 1924 | 1,632,000 | 1,481,424 | ..... | ..... | 1,480,819 |
| 1925 | 1,721,000 | 1,530,318 | 1,521,560 | 12,785 | 1,534,345 |
| 1926 | 1,763,000 | 1,684,218 | 1,679,952 | 4,838 | 1,684,790 |
| 1927 | 1,788,000 | 1,485,495 | 1,471,950 | 2,571 | 1,474,521 |
| 1928 | 1,735,000 | 1,417,572 | 1,397,082 | 2,343 | 1,399,425 |
| 1929 | 1,741,000 | 1,392,276 | 1,406,469 | 2,770 | 1,409,239 |
| 1930 | 1,687,000 | 1,282,372 | 1,262,721 | 5,344 | 1,268,065 |
| 1931 | 1,768,000 | 1,157,436 | 1,156,610 | 1,217 | 1,157,827 |
| 1932 | 1,771,000 | 1,008,588 | 1,008,982 | 981 | 1,009,963 |
| 1933 | 1,735,000 | 946,374 | 949,730 | 441 | 950,171 |
| 1934 | 1,714,000 | 961,403 | 962,318 | 4,197 | 966,515 |
| 1935 | 1,504,000 | 912,392 | 910,895 | 6,341 | 917,236 |
| 1936 | 1,471,000 | 921,408 | 911,488 | 5,188 | 916,676 |
| 1937 | 1,464,000 | 945,721 | 940,089 | 4,540 | 944,629 |
| 1938 | 1,094,000 | 820,055 | 816,295 | 282 | 816,577 |
| 1939 | 972,000 | 939,442 | 942,240 | 2,833 | 945,073 |
| 1940 | 1,081,000 | 1,013,437 | 998,378 | 14,556 | 1,012,934 |
| 1941 | 1,085,000 | 1,014,912 | 995,448 | 25,333 | 1,020,781 |
| 1942 | 1,126,000 | 952,616 | 932,931 | 17,670 | 950,601 |
| 1943 | 1,033,000 | 804,853 | 788,932 | 14,530 | 803,462 |
| 1944 | 1,033,000 | 719,802 | 708,815 | 14,622 | 723,437 |
| 1945 | 981,000 | 724,448 | 707,433 | 18,032 | 725,465 |
| 1946 | 839,000 | 770,890 | 753,631 | 8,381 | 762,012 |
| 1947 | 845,000 | 825,554 | 824,020 | 8,451 | 832,471 |
| 1948 | 850,000 | 867,494 | 857,540 | 9,309 | 866,849 |
| 1949 | 876,000 | 899,528 | 883,657 | 14,003 | 897,660 |

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for exports, such tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1949, the Department showed exports of 38,660 tons versus 14,003 tons reported by the mills.

*Source: Newsprint Service Bureau.*

Table 51.

## Newfoundland Newsprint Production

| Tons | Capacity | Production | Shipments to: U.S.A. | Shipments to: Overseas | Total Shipments |
|---|---|---|---|---|---|
| 1913 | 77,200 | 52,000 | ..... | 52,890 | 53,215 |
| 1914 | 77,200 | 55,000 | ..... | 55,558 | 56,032 |
| 1915 | 77,200 | 60,000 | ..... | 42,429 | 42,943 |
| 1916 | 77,200 | 54,000 | ..... | 71,984 | 72,584 |
| 1917 | 77,200 | 36,000 | 90 | 18,344 | 19,080 |
| 1918 | 77,200 | 35,000 | 24,982 | 4,526 | 30,219 |
| 1919 | 77,200 | 46,000 | 14,995 | 29,271 | 45,091 |
| 1920 | 77,200 | 62,000 | 3,548 | 67,747 | 72,334 |
| 1921 | 77,200 | 44,000 | 219 | 42,260 | 43,116 |
| 1922 | 77,200 | 61,328 | 0 | 63,727 | 64,597 |
| 1923 | 77,200 | 63,906 | 0 | 61,898 | 62,758 |
| 1924 | 77,200 | 64,648 | 4,324 | 60,435 | 65,578 |
| 1925 | 108,000 | 96,588 | 24,447 | 66,850 | 92,124 |
| 1926 | 190,000 | 186,471 | 115,734 | 77,930 | 194,390 |
| 1927 | 241,000 | 202,852 | 87,706 | 100,779 | 189,255 |
| 1928 | 268,500 | 230,745 | 138,586 | 97,867 | 237,272 |
| 1929 | 287,450 | 255,500 | 156,705 | 100,409 | 257,964 |
| 1930 | 301,900 | 287,259 | 164,532 | 117,271 | 282,589 |
| 1931 | 301,943 | 294,983 | 170,252 | 121,707 | 292,812 |
| 1932 | 301,943 | 271,804 | 138,335 | 128,750 | 267,808 |
| 1933 | 301,943 | 270,001 | 130,155 | 166,568 | 297,304 |
| 1934 | 321,317 | 314,057 | 119,969 | 196,754 | 317,396 |
| 1935 | 348,952 | 332,144 | 113,503 | 200,764 | 314,881 |
| 1936 | 348,952 | 326,449 | 116,340 | 226,649 | 343,557 |
| 1937 | 327,590 | 350,142 | 135,371 | 241,177 | 377,195 |
| 1938 | 330,680 | 268,404 | 59,283 | 204,450 | 264,328 |
| 1939 | 339,680 | 305,278 | 87,334 | 175,557 | 263,511 |
| 1940 | 348,223 | 351,143 | 146,911 | 220,263 | 367,885 |
| 1941 | 361,860 | 344,800 | 217,233 | 128,993 | 346,968 |
| 1942 | 363,405 | 277,426 | 195,753 | 83,479 | 280,180 |
| 1943 | 363,405 | 236,207 | 131,031 | 131,833 | 263,892 |
| 1944 | 368,040 | 272,799 | 100,035 | 169,734 | 270,803 |
| 1945 | 371,130 | 332,693 | 121,831 | 194,415 | 317,489 |
| 1946 | 375,765 | 362,671 | 208,480 | 150,513 | 360,282 |
| 1947 | 393,125 | 373,375 | 212,160 | 169,464 | 383,283 |
| 1948 | 405,408 | 382,248 | 246,537 | 128,237 | 376,286 |
| 1949 | 461,076 | 444,196 | 324,680 | 101,176 | 427,468 |

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals and will not be shown separately in future.

*Sources: Newsprint Association of Canada and Newsprint Service Bureau.*

Table 52.

## Principal Newsprint Producers Overseas

| Tons | FINLAND Production | FINLAND Exports | NORWAY Production | NORWAY Exports | SWEDEN Production | SWEDEN Exports | SCANDINAVIA Production | SCANDINAVIA Exports | BRITAIN Tons | BRITAIN Production | BRITAIN Exports |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1929 | 219,198 | 200,100 | 203,976 | 186,065 | 281,781 | 218,621 | 704,955 | 604,786 | 1929 | 637,000 | 107,672 |
| 1930 | 228,577 | 206,130 | 202,510 | 186,851 | 244,972 | 188,803 | 676,059 | 581,784 | 1930 | 607,992 | 88,878 |
| 1931 | 232,984 | 209,324 | 108,412 | 95,111 | 268,737 | 199,574 | 610,133 | 504,009 | 1931 | 719,040 | 66,340 |
| 1932 | 223,784 | 211,550 | 199,268 | 174,047 | 261,209 | 202,908 | 684,261 | 588,505 | 1932 | 789,992 | 94,028 |
| 1933 | 263,895 | 243,925 | 166,820 | 148,694 | 270,125 | 201,329 | 700,840 | 593,948 | 1933 | 830,032 | 88,882 |
| 1934 | 294,739 | 279,171 | 154,410 | 135,531 | 277,861 | 207,365 | 727,010 | 622,067 | 1934 | 940,016 | 66,406 |
| 1935 | 320,923 | 295,973 | 192,485 | 170,162 | 301,756 | 229,689 | 815,164 | 695,824 | 1935 | 970,032 | 78,884 |
| 1936 | 402,016 | 364,964 | 188,131 | 174,668 | 288,615 | 197,483 | 878,762 | 737,115 | 1936 | 1,003,968 | 86,423 |
| 1937 | 448,829 | 418,745 | 225,832 | 198,886 | 309,965 | 221,103 | 984,626 | 838,734 | 1937 | 1,032,976 | 63,497 |
| 1938 | 458,493 | 390,374 | 199,513 | 166,637 | 288,615 | 176,304 | 946,621 | 733,315 | 1938 | 953,999 | 63,036 |
| 1939 | 550,363 | 432,589 | 221,562 | 188,330 | 306,127 | 199,210 | 1,078,052 | 820,129 | 1939 | 848,002 | 41,731 |
| 1940 | 94,554 | 62,346 | 68,207 | 46,250 | 139,746 | 51,389 | 302,507 | 159,985 | 1940 | 332,640 | 7,939 |
| 1941 | 63,728 | 54,113 | 42,193 | 24,622 | 108,415 | 11,912 | 214,336 | 90,647 | 1941 | 168,000 | 248 |
| 1942 | 89,109 | 67,154 | 37,082 | 21,522 | 187,523 | 76,956 | 313,714 | 165,632 | 1942 | 156,464 | 78 |
| 1943 | 128,155 | 109,500 | 35,300 | 24,047 | 187,374 | 64,382 | 350,829 | 197,929 | 1943 | 144,892 | 296 |
| 1944 | 93,216 | 50,800 | 28,757 | 13,589 | 216,031 | 77,654 | 338,004 | 142,043 | 1944 | 169,179 | 688 |
| 1945 | 122,735 | 100,735 | 59,874 | 41,083 | 228,725 | 85,619 | 411,334 | 227,437 | 1945 | 181,037 | 3,702 |
| 1946 | 263,072 | 236,225 | 121,680 | 96,175 | 289,070 | 138,039 | 673,822 | 470,439 | 1946 | 330,176 | 17,208 |
| 1947 | 297,065 | 273,365 | 125,302 | 100,070 | 298,621 | 167,041 | 720,988 | 540,476 | 1947 | 282,240 | 3,233 |
| 1948 | 356,058 | 317,786 | 157,248 | 128,373 | 327,332 | 195,949 | 840,638 | 642,108 | 1948 | 335,630 | 22,213 |
| 1949 | 423,413 | 391,148 | 171,259 | 158,230 | 344,867 | 233,057 | 939,539 | 782,435 | 1949 | 529,135 | 67,758 |

*Source: Ticon; Scannews. Scandinavia covers total of Finland, Norway and Sweden.*

*Source: British Board of Trade.*

Scandinavian exports for the years 1945-49 differ from those shown in Table 7 of the Monthly Report. Differences of 35,006, 11,142, 10,979 and 11,043 tons are accounted for by Finnish reparations tonnages to Russia in the years 1945-48. For 1949 the figure includes 12,949 tons of incidental exports by mills not regularly producing newsprint.

Table 53.

## Sources of U.S. Newsprint Supply

| Tons | From: Canada & Newfoundland | U.S.A. | Europe | Total |
|---|---|---|---|---|
| 1913 | 147,000 | 1,255,000 | .... | 1,402,000 |
| 1914 | 275,000 | 1,269,000 | 3,000 | 1,547,000 |
| 1915 | 329,000 | 1,176,000 | 4,000 | 1,509,000 |
| 1916 | 438,000 | 1,251,000 | 1,000 | 1,690,000 |
| 1917 | 491,000 | 1,287,000 | 1,000 | 1,779,000 |
| 1918 | 602,000 | 1,150,000 | 0 | 1,752,000 |
| 1919 | 628,000 | 1,264,000 | 0 | 1,892,000 |
| 1920 | 679,306 | 1,465,739 | 50,561 | 2,195,606 |
| 1921 | 656,660 | 1,208,390 | 135,320 | 2,000,370 |
| 1922 | 896,311 | 1,421,924 | 132,957 | 2,451,192 |
| 1923 | 1,108,466 | 1,468,643 | 200,377 | 2,777,486 |
| 1924 | 1,200,803 | 1,464,265 | 156,430 | 2,821,498 |
| 1925 | 1,315,404 | 1,507,580 | 133,021 | 2,956,005 |
| 1926 | 1,750,749 | 1,664,960 | 99,926 | 3,515,635 |
| 1927 | 1,865,003 | 1,473,166 | 122,062 | 3,460,231 |
| 1928 | 2,040,920 | 1,406,182 | 116,246 | 3,563,348 |
| 1929 | 2,326,502 | 1,373,581 | 96,198 | 3,796,281 |
| 1930 | 2,145,471 | 1,272,168 | 134,180 | 3,551,819 |
| 1931 | 1,915,838 | 1,147,783 | 151,068 | 3,214,689 |
| 1932 | 1,647,216 | 1,000,124 | 144,921 | 2,792,261 |
| 1933 | 1,715,331 | 949,730 | 153,203 | 2,818,264 |
| 1934 | 2,113,767 | 962,318 | 147,060 | 3,223,145 |
| 1935 | 2,122,099 | 910,895 | 197,085 | 3,230,079 |
| 1936 | 2,550,925 | 911,488 | 242,352 | 3,704,765 |
| 1937 | 3,044,731 | 940,089 | 293,953 | 4,278,773 |
| 1938 | 1,940,303 | 816,295 | 243,065 | 2,999,663 |
| 1939 | 2,281,460 | 942,240 | 310,216 | 3,533,916 |
| 1940 | 2,741,363 | 998,378 | 33,850 | 3,773,591 |
| 1941 | 2,987,235 | 995,448 | 2,865 | 3,985,548 |
| 1942 | 3,006,592 | 932,931 | 1,527 | 3,941,050 |
| 1943 | 2,680,790 | 788,932 | 0 | 3,469,722 |
| 1944 | 2,529,693 | 708,815 | 0 | 3,238,508 |
| 1945 | 2,665,947 | 707,433 | 0 | 3,373,380 |
| 1946 | 3,563,124 | 753,631 | 13,480 | 4,330,235 |
| 1947 | 3,897,300 | 824,020 | 128,936 | 4,850,256 |
| 1948 | 4,127,970 | 857,540 | 267,434 | 5,252,944 |
| 1949 | 4,380,250 | 883,657 | 254,749 | 5,518,656 |

*Source: Figures for 1913-32 are compiled from U.S. Dept. of Commerce reports of shipments taken; those for 1933 to date from NAC reports of mill shipments. The two are not strictly comparable due to the time lag between shipments and arrivals.*

Table 54.

## U.S. Newsprint Consumption and Stocks

| Tons | CONSUMPTION ANPA Group | CONSUMPTION Total | CONSUMPTION Per Capita | CONSUMERS' STOCKS* ANPA Group | CONSUMERS' STOCKS* Total |
|---|---|---|---|---|---|
| 1913 | ..... | 1,402,000 | 28.9 | ..... | ..... |
| 1914 | ..... | 1,547,000 | 31.2 | ..... | ..... |
| 1915 | ..... | 1,509,000 | 30.0 | ..... | ..... |
| 1916 | ..... | 1,690,000 | 33.2 | ..... | ..... |
| 1917 | ..... | 1,779,000 | 34.4 | ..... | ..... |
| 1918 | ..... | 1,752,000 | 33.5 | ..... | ..... |
| 1919 | ..... | 1,892,000 | 36.0 | ..... | ..... |
| 1920 | ..... | 2,197,000 | 41.3 | ..... | ..... |
| 1921 | 1,818,617 | 2,043,390 | 37.7 | 196,741 | 269,025 |
| 1922 | 2,048,852 | 2,439,110 | 44.3 | 211,325 | 281,107 |
| 1923 | 1,819,141 | 2,777,315 | 49.6 | 209,996 | 281,278 |
| 1924 | 1,679,620 | 2,846,814 | 49.9 | 199,979 | 255,962 |
| 1925 | 1,808,229 | 3,013,715 | 52.0 | 163,614 | 198,252 |
| 1926 | 2,028,779 | 3,409,713 | 58.1 | 228,832 | 304,174 |
| 1927 | 2,707,045 | 3,426,639 | 57.6 | 264,885 | 337,766 |
| 1928 | 2,761,475 | 3,586,331 | 59.5 | 247,552 | 314,783 |
| 1929 | 2,949,878 | 3,757,806 | 61.7 | 278,548 | 353,258 |
| 1930 | 2,735,428 | 3,599,247 | 58.5 | 256,472 | 305,830 |
| 1931 | 2,625,869 | 3,241,814 | 52.3 | 236,153 | 278,705 |
| 1932 | 2,265,741 | 2,832,176 | 45.4 | 196,443 | 238,790 |
| 1933 | 2,154,106 | 2,692,632 | 42.9 | 237,403 | 364,422 |
| 1934 | 2,485,824 | 3,107,280 | 49.2 | 323,453 | 480,287 |
| 1935 | 2,675,744 | 3,344,680 | 52.6 | 294,494 | 365,686 |
| 1936 | 2,953,557 | 3,691,946 | 57.7 | 305,385 | 378,505 |
| 1937 | 3,059,795 | 3,824,743 | 59.4 | 613,514 | 832,535 |
| 1938 | 2,737,815 | 3,422,269 | 52.7 | 315,027 | 409,929 |
| 1939 | 2,730,217 | 3,520,372 | 53.8 | 328,424 | 423,473 |
| 1940 | 2,855,952 | 3,731,331 | 56.5 | 356,472 | 465,733 |
| 1941 | 2,946,660 | 3,929,773 | 59.0 | 385,296 | 521,508 |
| 1942 | 2,834,940 | 3,815,532 | 56.7 | 479,349 | 645,492 |
| 1943 | 2,720,257 | 3,627,009 | 53.1 | 366,702 | 488,205 |
| 1944 | 2,351,096 | 3,242,891 | 47.0 | 342,280 | 483,822 |
| 1945 | 2,455,116 | 3,481,302 | 49.9 | 266,344 | 375,900 |
| 1946 | 3,136,276 | 4,296,268 | 61.0 | 292,806 | 409,867 |
| 1947 | 3,564,678 | 4,752,904 | 66.8 | 377,033 | 507,219 |
| 1948 | 4,009,829 | 5,140,806 | 71.7 | 458,145 | 619,357 |
| 1949 | 4,257,489 | 5,529,206 | 76.5 | 445,863 | 608,807 |

* End of each year.

U.S. total consumption is based on consumption reported by the American Newspaper Publishers Association group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total consumption is obtained by extending ANPA consumption by this percentage.

*Source: Newsprint Association of Canada.*

Table 55.

## Consumption by Larger Newspapers

| | Tons | |
|---|---|---|
| | 1948 | 1949 |
| **CANADA** | | |
| Halifax Chronicle and Star | 1,400 | 6,000 |
| London Free Press | 5,000 | 6,500 |
| Montreal La Presse | 18,000 | 24,000 |
| Montreal Star & Montreal Standard | 21,000 | 24,500 |
| Ottawa Journal | 4,000 | 5,000 |
| Toronto Daily Star & Star Weekly | 57,308 | 63,800 |
| Toronto Globe & Mail | 15,000 | 17,500 |
| Toronto Evening Telegram | 19,000 | 24,000 |
| Vancouver Sun | 14,589 | 16,000 |
| Winnipeg Free Press | 10,500 | 12,400 |
| **UNITED STATES** | | |
| Atlanta Constitution | 16,450 | 17,000 |
| Boston Post | 34,000 | 30,000 |
| Buffalo News | 26,000 | 29,300 |
| Chicago News | 44,450 | 44,500 |
| Chicago Sun-Times | 65,000 | 64,000 |
| Chicago Tribune | 197,000 | 192,500 |
| Cleveland Plain Dealer | 42,000 | 42,000 |
| Des Moines Register & Tribune | 34,500 | 35,500 |
| Detroit Free Press | 36,000 | 40,000 |
| Detroit News | 58,000 | 70,000 |
| Houston Chronicle | 22,478 | 28,000 |
| Los Angeles Times | 72,660 | 72,660 |
| Louisville Courier-Journal & Times | 34,059 | 32,357 |
| Miami Herald | 25,000 | 28,000 |
| Milwaukee Journal | 43,700 | 53,000 |
| New York News | 262,000 | 285,000 |
| Omaha World-Herald | 21,500 | 22,000 |
| Toledo Blade & Times | 22,000 | 22,815 |
| Wall Street Journal | 3,300 | 3,500 |
| Washington Star | 30,000 | 35,000 |

*Source: Editor & Publisher Annual Mechanical Tabulation.*

Table 56.

## North American Newsprint Stocks*

| Tons | Manufacturers | | Consumers | TOTAL |
|---|---|---|---|---|
| | Canada & Newfoundland | United States | United States | |
| 1921 | 143,000 | 23,934 | 269,025 | 435,959 |
| 1922 | 133,000 | 19,208 | 281,107 | 433,315 |
| 1923 | 143,000 | 23,669 | 281,278 | 447,947 |
| 1924 | 150,000 | 23,757 | 255,962 | 429,719 |
| 1925 | 151,362 | 16,238 | 198,252 | 365,852 |
| 1926 | 146,434 | 12,030 | 304,174 | 462,638 |
| 1927 | 184,231 | 20,877 | 337,766 | 542,874 |
| 1928 | 160,074 | 34,469 | 314,783 | 509,326 |
| 1929 | 164,056 | 19,023 | 353,258 | 536,337 |
| 1930 | 178,179 | 32,061 | 305,830 | 516,070 |
| 1931 | 199,641 | 32,709 | 278,705 | 511,055 |
| 1932 | 195,631 | 21,783 | 238,790 | 456,204 |
| 1933 | 154,279 | 19,237 | 364,422 | 537,938 |
| 1934 | 152,235 | 14,125 | 480,287 | 646,647 |
| 1935 | 185,489 | 9,281 | 365,686 | 560,456 |
| 1936 | 129,443 | 14,013 | 378,505 | 521,961 |
| 1937 | 95,521 | 15,105 | 832,535 | 943,161 |
| 1938 | 208,181 | 18,583 | 409,929 | 636,693 |
| 1939 | 258,012 | 12,952 | 423,473 | 694,437 |
| 1940 | 224,139 | 13,455 | 465,733 | 703,327 |
| 1941 | 193,171 | 7,586 | 521,508 | 722,265 |
| 1942 | 158,832 | 9,601 | 645,492 | 813,925 |
| 1943 | 104,558 | 10,992 | 488,205 | 603,755 |
| 1944 | 97,728 | 7,357 | 483,822 | 588,907 |
| 1945 | 136,721 | 6,340 | 375,900 | 518,961 |
| 1946 | 146,524 | 15,218 | 409,867 | 571,609 |
| 1947 | 93,405 | 8,301 | 507,219 | 608,925 |
| 1948 | 109,195 | 8,946 | 619,357 | 737,498 |
| 1949 | 121,190 | 10,814 | 608,807 | 740,811 |

* End of each year.

*Sources: Newsprint Association of Canada and Newsprint Service Bureau.*

Table 57.

## U.S. Newspaper Circulation

Million copies; as at Sept. 30 of each year

| Year | Morning | Evening | Total Daily | Sunday |
|---|---|---|---|---|
| 1920 | ... | ... | 27.8 | 17.1 |
| 1921 | ... | ... | 28.4 | 19.0 |
| 1922 | ... | ... | 29.6 | 19.7 |
| 1923 | ... | ... | 31.4 | 21.5 |
| 1924 | ... | ... | 33.0 | 22.2 |
| 1925 | ... | ... | 33.7 | 23.4 |
| 1926 | ... | ... | 36.0 | 24.4 |
| 1927 | ... | ... | 38.0 | 25.5 |
| 1928 | ... | ... | 38.0 | 25.8 |
| 1929 | ... | ... | 39.4 | 26.9 |
| 1930 | ... | ... | 39.6 | 26.4 |
| 1931 | ... | ... | 38.8 | 25.7 |
| 1932 | 13.7 | 22.7 | 36.4 | 24.9 |
| 1933 | 13.2 | 22.0 | 35.2 | 24.0 |
| 1934 | 13.9 | 22.8 | 36.7 | 26.5 |
| 1935 | 14.4 | 23.7 | 38.2 | 28.1 |
| 1936 | 15.3 | 25.0 | 40.3 | 30.0 |
| 1937 | 15.9 | 25.5 | 41.4 | 31.0 |
| 1938 | 15.1 | 24.5 | 39.6 | 30.5 |
| 1939 | 15.5 | 24.2 | 39.7 | 31.5 |
| 1940 | 16.1 | 25.0 | 41.1 | 32.4 |
| 1941 | 16.5 | 25.6 | 42.1 | 33.4 |
| 1942 | 17.1 | 26.3 | 43.4 | 35.3 |
| 1943 | 17.1 | 27.3 | 44.4 | 37.3 |
| 1944 | 18.1 | 27.9 | 46.0 | 37.9 |
| 1945 | 19.2 | 29.1 | 48.4 | 39.9 |
| 1946 | 20.5 | 30.4 | 50.9 | 43.7 |
| 1947 | 20.8 | 30.9 | 51.7 | 45.1 |
| 1948 | 21.1 | 31.2 | 52.3 | 46.3 |
| 1949 | 21.0 | 31.8 | 52.8 | 46.4 |

*Source: Editor & Publisher International Year Book.*

Table 58.

## U.S. Newspaper Milline Rates

*Rate per agate line of advertising per million of circulation as at December 31st of each year*

| Year | Morning | Evening | Sunday |
|---|---|---|---|
| 1923 | 2.70 | 3.33 | 2.27 |
| 1924 | 2.71 | 3.32 | 2.29 |
| 1925 | 2.66 | 3.39 | 2.32 |
| 1926 | 2.57 | 3.35 | 2.33 |
| 1927 | 2.52 | 3.29 | 2.29 |
| 1928 | 2.52 | 3.40 | 2.30 |
| 1929 | 2.55 | 3.38 | 2.33 |
| 1930 | 2.52 | 3.45 | 2.36 |
| 1931 | 2.57 | 3.54 | 2.39 |
| 1932 | 2.57 | 3.72 | 2.46 |
| 1933 | 2.66 | 3.87 | 2.51 |
| 1934 | 2.58 | 3.75 | 2.26 |
| 1935 | 2.58 | 3.71 | 2.12 |
| 1936 | 2.58 | 3.72 | 2.16 |
| 1937 | 2.50 | 3.65 | 2.15 |
| 1938 | 2.57 | 3.73 | 2.13 |
| 1939 | 2.45 | 3.72 | 2.15 |
| 1940 | 2.37 | 3.59 | 2.11 |
| 1941 | 2.31 | 3.55 | 2.07 |
| 1942 | 2.23 | 3.48 | 1.99 |
| 1943 | 2.25 | 3.45 | 1.89 |
| 1944 | 2.29 | 3.16 | 2.01 |
| 1945 | 2.24 | 3.24 | 2.02 |
| 1946 | 2.28 | 3.38 | 2.02 |
| 1947 | 2.39 | 3.59 | 2.13 |
| 1948 | 2.49 | 3.68 | 2.22 |
| 1949 | 2.56 | 3.66 | 2.27 |

*Source: Editor & Publisher International Year Book.*

Table 59.

## Indexes of U.S. Advertising

*Monthly averages, 1935-9=100*

| Year | Magazines | Newspapers | Radio | Outdoor | Combined |
|---|---|---|---|---|---|
| 1935 | 81 | 95 | 69 | 78 | 83 |
| 1936 | 95 | 107 | 89 | 96 | 99 |
| 1937 | 114 | 108 | 107 | 110 | 110 |
| 1938 | 101 | 94 | 112 | 107 | 101 |
| 1939 | 108 | 96 | 123 | 109 | 107 |
| 1940 | 119 | 102 | 144 | 112 | 118 |
| 1941 | 128 | 103 | 162 | 124 | 127 |
| 1942 | 125 | 90 | 179 | 103 | 121 |
| 1943 | 163 | 114 | 213 | 99 | 152 |
| 1944 | 193 | 123 | 265 | 131 | 180 |
| 1945 | 217 | 132 | 289 | 168 | 198 |
| 1946 | 271 | 155 | 299 | 202 | 230 |
| 1947 | 315 | 210 | 296 | 264 | 268 |
| 1948 | 327 | 246 | 309 | 299 | 290 |
| 1949 | 314 | 284 | 292 | 296 | 299 |

*Source: Printers' Ink; based on dollar expenditures.*

Table 60.

## U.S. Newspaper Pages Printed

*Annual Averages*

| Year | Dailies | Sundays | Year | Dailies | Sundays |
|---|---|---|---|---|---|
| 1920 | 23 | 79 | 1935 | 26 | 82 |
| 1921 | 23 | 80 | 1936 | 28 | 85 |
| 1922 | 25 | 89 | 1937 | 28 | 87 |
| 1923 | 27 | 97 | 1938 | 26 | 81 |
| 1924 | 28 | 103 | 1939 | 27 | 82 |
| 1925 | 29 | 109 | 1940 | 27 | 86 |
| 1926 | 30 | 111 | 1941 | 27 | 88 |
| 1927 | 30 | 107 | 1942 | 26 | 82 |
| 1928 | 30 | 104 | 1943 | 26 | 78 |
| 1929 | 32 | 104 | 1944 | 23 | 68 |
| 1930 | 29 | 91 | 1945 | 22 | 70 |
| 1931 | 27 | 82 | 1946 | 27 | 84 |
| 1932 | 24 | 72 | 1947 | 29 | 94 |
| 1933 | 24 | 70 | 1948 | 32 | 102 |
| 1934 | 26 | 78 | 1949 | 34 | 107 |

*Source: Newsprint Service Bureau Bulletins.*

Table 61.

## U.S. Advertising Expenditures (All Media) and National Income

*Millions of Dollars*

| Year | Advertising Expenditure | National Income | Percent Advertising to Income |
|---|---|---|---|
| 1935 | 1,690.0 | 56,800 | 2.97 |
| 1936 | 1,902.4 | 64,700 | 2.94 |
| 1937 | 2,071.7 | 73,600 | 2.81 |
| 1938 | 1,904.0 | 67,400 | 2.82 |
| 1939 | 1,980.4 | 72,500 | 2.73 |
| 1940 | 2,087.6 | 81,300 | 2.57 |
| 1941 | 2,235.7 | 103,800 | 2.15 |
| 1942 | 2,156.1 | 137,100 | 1.57 |
| 1943 | 2,496.4 | 169,700 | 1.47 |
| 1944 | 2,723.6 | 183,800 | 1.48 |
| 1945 | 2,874.5 | 182,700 | 1.57 |
| 1946 | 3,364.2 | 179,600 | 1.87 |
| 1947 | 4,259.7 | 201,700 | 2.11 |
| 1948 | 4,830.7 | 226,200 | 2.14 |

*Source: Printers' Ink; U.S. Department of Commerce.*

Table 62.

## U.S. Newspaper Advertising and Total Advertising Expenditures

*Millions of Dollars*

| Year | Newspaper Advertising | Total Advertising | Newspaper Percent of Total |
|---|---|---|---|
| 1935 | 762.1 | 1690.0 | 45.1 |
| 1936 | 843.5 | 1902.4 | 44.3 |
| 1937 | 872.6 | 2071.7 | 42.1 |
| 1938 | 782.4 | 1904.0 | 41.1 |
| 1939 | 793.0 | 1980.4 | 40.0 |
| 1940 | 815.4 | 2087.6 | 39.1 |
| 1941 | 844.4 | 2235.7 | 37.8 |
| 1942 | 797.5 | 2156.1 | 37.0 |
| 1943 | 899.9 | 2496.4 | 36.0 |
| 1944 | 888.0 | 2723.6 | 32.6 |
| 1945 | 921.4 | 2874.5 | 32.1 |
| 1946 | 1158.3 | 3364.2 | 34.4 |
| 1947 | 1475.0 | 4259.7 | 34.6 |
| 1948 | 1749.6 | 4830.7 | 36.2 |

*Source: Printers' Ink.*

Table 63.

## U.S. Newspaper, Magazine, and Radio Advertising

| | Agate Lines Millions | Magazines Thousand Lines | Radio Thousand Dollars |
|---|---|---|---|
| 1928 | 1802 | 36,384 | 10,248 |
| 1929 | 1897 | 40,608 | 18,732 |
| 1930 | 1654 | 35,808 | 26,820 |
| 1931 | 1465 | 28,908 | 35,784 |
| 1932 | 1165 | 21,162 | 39,107 |
| 1933 | 1065 | 18,666 | 31,516 |
| 1934 | 1179 | 24,325 | 42,648 |
| 1935 | 1247 | 25,380 | 49,284 |
| 1936 | 1380 | 28,534 | 59,356 |
| 1937 | 1410 | 32,049 | 69,249 |
| 1938 | 1225 | 25,439 | 71,728 |
| 1939 | 1244 | 25,616 | 83,115 |
| 1940 | 1269 | 26,851 | 96,468 |
| 1941 | 1313 | 27,667 | 106,141 |
| 1942 | 1242 | 25,729 | 115,405 |
| 1943 | 1396 | 33,116 | 152,644 |
| 1944 | 1361 | 42,297 | 190,665 |
| 1945 | 1392 | 49,035 | 190,746 |
| 1946 | 1730 | 54,755 | 193,008 |
| 1947 | 2009 | 50,794 | 190,930 |
| 1948 | 2263 | 47,844 | 198,993 |
| 1949 | 2302 | 43,817 | 187,800 |

*Source: Newspapers: Media Records 52 Cities. Magazines: Printers' Ink. Radio: CBS, NBC, Mutual; Publishers Information Bureau.*

Table 64.

## Value of Canadian Newsprint and Total Pulp and Paper Production

*Millions of Dollars*

| Year | Newsprint Production | Total Production | Newsprint Percent of Total |
|---|---|---|---|
| 1928 | 144.1 | 233.1 | 61.8 |
| 1929 | 150.8 | 244.0 | 61.8 |
| 1930 | 136.2 | 216.0 | 63.1 |
| 1931 | 111.4 | 174.7 | 63.8 |
| 1932 | 85.5 | 135.6 | 63.1 |
| 1933 | 67.0 | 123.4 | 54.3 |
| 1934 | 86.8 | 152.6 | 56.9 |
| 1935 | 91.8 | 159.3 | 57.6 |
| 1936 | 105.2 | 183.6 | 57.3 |
| 1937 | 126.4 | 226.2 | 55.9 |
| 1938 | 107.1 | 183.9 | 58.2 |
| 1939 | 120.9 | 208.2 | 58.1 |
| 1940 | 158.4 | 298.0 | 53.2 |
| 1941 | 158.9 | 334.7 | 47.5 |
| 1942 | 147.1 | 336.7 | 43.7 |
| 1943 | 153.0 | 344.4 | 44.4 |
| 1944 | 165.7 | 369.8 | 44.8 |
| 1945 | 189.0 | 398.8 | 47.4 |
| 1946 | 280.8 | 527.8 | 53.2 |
| 1947 | 355.5 | 707.0 | 50.3 |
| 1948 | 402.1 | 825.9 | 48.7 |
| 1949 | 468.0 | 836.0 | 56.0 |

Figures for 1928-1948 do not include Newfoundland.
*Source: Dominion Bureau of Statistics.*

Table 65.

## U.S. Prices and Price Indexes

| Year | U.S. Dollars | 1926 = 100 | |
|---|---|---|---|
| | Canadian Newsprint | Newsprint Index | General Commodity |
| 1914 | $ 43.60 | 62.3 | 68.1 |
| 1915 | 41.78 | 59.7 | 69.5 |
| 1916 | 51.78 | 74.0 | 85.5 |
| 1917 | 63.78 | 91.1 | 117.5 |
| 1918 | 64.30 | 91.9 | 131.3 |
| 1919 | 79.40 | 113.4 | 138.6 |
| 1920 | 112.60 | 160.9 | 154.4 |
| 1921 | 111.35 | 159.1 | 97.6 |
| 1922 | 76.80 | 109.7 | 96.7 |
| 1923 | 81.80 | 116.9 | 100.6 |
| 1924 | 79.30 | 113.3 | 98.1 |
| 1925 | 76.80 | 109.7 | 103.5 |
| 1926 | 70.00 | 100.0 | 100.0 |
| 1927 | 70.00 | 100.0 | 95.4 |
| 1928 | 67.50 | 96.4 | 96.7 |
| 1929 | 62.00 | 88.6 | 95.3 |
| 1930 | 62.00 | 88.6 | 86.4 |
| 1931 | 57.00 | 81.4 | 73.0 |
| 1932 | 48.33 | 69.0 | 64.8 |
| 1933 | 41.25 | 58.9 | 65.9 |
| 1934 | 40.00 | 57.1 | 74.9 |
| 1935 | 40.00 | 57.1 | 80.0 |
| 1936 | 41.00 | 58.6 | 80.8 |
| 1937 | 42.50 | 60.7 | 86.3 |
| 1938 | 50.00 | 71.4 | 78.6 |
| 1939 | 50.00 | 71.4 | 77.1 |
| 1940 | 50.00 | 71.4 | 78.6 |
| 1941 | 50.00 | 71.4 | 87.3 |
| 1942 | 50.00 | 71.4 | 98.8 |
| 1943 | 54.66 | 78.1 | 103.1 |
| 1944 | 58.00 | 82.9 | 104.0 |
| 1945 | 60.25 | 86.1 | 105.8 |
| 1946 | 72.25 | 103.2 | 121.1 |
| 1947 | 88.50 | 126.4 | 152.1 |
| 1948 | 97.67 | 139.5 | 165.1 |
| 1949 | 100.00 | 142.9 | 155.0 |

*Source: Newsprint Prices: Annual Averages, Delivered at New York. General Commodity: U.S. Dept. of Labour.*

Table 66.

## Newsprint and Total Canadian Exports to United States

*Millions of Dollars*

| Year | Newsprint Exports to U.S. | Total Exports to U.S. | Percent Newsprint of Total |
|---|---|---|---|
| 1910 | 1.2 | 104.2 | 1.2 |
| 1912 | 2.0 | 102.0 | 2.0 |
| 1914 | 9.8 | 163.4 | 6.0 |
| 1916 | 15.8 | 201.1 | 7.9 |
| 1918 | 30.7 | 417.2 | 7.4 |
| 1919 | 36.0 | 455.0 | 7.9 |
| 1920 | 46.8 | 464.0 | 10.0 |
| 1921 | 68.8 | 566.7 | 12.1 |
| 1922 | 59.9 | 310.7 | 19.3 |
| 1923 | 67.7 | 370.8 | 18.3 |
| 1924 | 87.3 | 443.2 | 19.7 |
| 1925 | 89.1 | 420.4 | 21.2 |
| 1926 | 106.8 | 465.2 | 22.9 |
| 1927 | 114.0 | 474.6 | 24.0 |
| 1928 | 123.5 | 492.5 | 25.1 |
| 1929 | 129.0 | 522.6 | 24.7 |
| 1930 | 115.3 | 395.7 | 29.1 |
| 1931 | 94.4 | 257.1 | 36.7 |
| 1932 | 72.0 | 162.6 | 44.3 |
| 1933 | 58.3 | 187.9 | 31.0 |
| 1934 | 68.1 | 301.2 | 22.6 |
| 1935 | 71.0 | 358.6 | 19.8 |
| 1936 | 83.5 | 406.7 | 20.5 |
| 1937 | 105.9 | 470.2 | 22.5 |
| 1938 | 85.6 | 270.5 | 31.6 |
| 1939 | 97.8 | 380.4 | 25.7 |
| 1940 | 120.6 | 443.0 | 27.2 |
| 1941 | 130.9 | 599.7 | 21.8 |
| 1942 | 132.4 | 885.5 | 15.0 |
| 1943 | 131.4 | 1,149.2 | 11.4 |
| 1944 | 135.2 | 1,301.3 | 10.4 |
| 1945 | 148.4 | 1,197.0 | 12.4 |
| 1946 | 225.6 | 887.9 | 25.4 |
| 1947 | 293.5 | 1,034.2 | 28.4 |
| 1948 | 342.8 | 1,501.0 | 22.8 |
| 1949 | 396.4 | 1,510.1 | 26.2 |

For the period 1910 to 1925 inclusive figures relate to fiscal years.
Figures for 1928-1948 do not include Newfoundland.
*Source: Dominion Bureau of Statistics.*

# "E" — OTHER PAPER AND PAPERBOARD

*1949 figures include Newfoundland for the full year.*

Table 67.

## Production — Tonnage

All grades except newsprint

| | Paper-board (a) | Wrapping | Book and Writing | Tissue | All Other |
|---|---|---|---|---|---|
| 1920 | 158,041 | 77,292 | 73,196 | 3,607 | 27,119 |
| 1921 | 89,120 | 52,898 | 53,530 | 3,879 | 14,406 |
| 1922 | 113,200 | 81,793 | 64,808 | 5,758 | 19,892 |
| 1923 | 130,582 | 84,912 | 76,789 | 4,980 | 40,499 |
| 1924 | 135,252 | 89,441 | 67,934 | 5,716 | 32,317 |
| 1925 | 144,646 | 91,417 | 74,724 | 7,200 | 30,195 |
| 1926 | 155,469 | 97,057 | 80,403 | 7,401 | 36,605 |
| 1927 | 161,497 | 102,707 | 75,072 | 8,849 | 37,736 |
| 1928 | 193,061 | 111,667 | 79,138 | 10,896 | 40,044 |
| 1929 | 250,061 | 91,374 | 73,502 | 9,796 | 47,085 |
| 1930 | 233,217 | 78,320 | 69,468 | 11,245 | 36,585 |
| 1931 | 202,854 | 77,194 | 59,580 | 11,560 | 32,985 |
| 1932 | 209,938 | 69,018 | 56,781 | 12,187 | 23,638 |
| 1933 | 232,190 | 67,780 | 60,683 | 12,331 | 24,471 |
| 1934 | 280,724 | 79,779 | 64,991 | 10,258 | 28,791 |
| 1935 | 314,849 | 82,517 | 70,350 | 18,107 | 29,629 |
| 1936 | 363,778 | 95,916 | 74,940 | 18,661 | 28,029 |
| 1937 | 422,710 | 108,734 | 84,168 | 23,747 | 32,116 |
| 1938 | 356,891 | 90,879 | 73,834 | 25,922 | 32,919 |
| 1939 | 413,687 | 109,907 | 90,135 | 29,706 | 30,470 |
| 1940 | 500,094 | 139,716 | 102,696 | 34,054 | 39,053 |
| 1941 | 649,840 | 162,581 | 117,444 | 35,725 | 39,453 |
| 1942 | 609,175 | 165,991 | 121,419 | 38,322 | 39,680 |
| 1943 | 568,101 | 145,545 | 122,174 | 43,247 | 40,835 |
| 1944 | 588,348 | 156,721 | 155,498 | 46,532 | 57,494 |
| 1945 | 595,131 | 162,175 | 162,198 | 50,418 | 65,621 |
| 1946 | 683,643 | 175,369 | 189,318 | 56,717 | 79,913 |
| 1947 | 744,377 | 188,742 | 210,762 | 67,506 | 89,431 |
| 1948 | 817,432 | 207,128 | 231,608 | 69,686 | 97,456 |
| 1949 | 797,023 | 195,585 | 199,317 | 68,340 | 92,498 |

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.
*Source: Dominion Bureau of Statistics.*

Table 68.

## Production — Value

All grades except newsprint

| | Paperboard (a) | Wrapping | Book and Writing | Tissue | All Other |
|---|---|---|---|---|---|
| 1920 | $12,904,662 | $12,161,303 | $21,868,807 | $1,155,324 | $3,067,400 |
| 1921 | 6,225,948 | 6,634,211 | 12,550,520 | 1,232,398 | 1,126,260 |
| 1922 | 7,000,081 | 8,219,841 | 12,560,504 | 1,154,772 | 1,353,553 |
| 1923 | 8,480,233 | 7,666,174 | 13,582,135 | 1,791,880 | 3,250,608 |
| 1924 | 8,228,760 | 8,027,918 | 12,605,623 | 1,024,967 | 3,155,326 |
| 1925 | 8,378,621 | 8,130,102 | 13,145,407 | 1,385,089 | 2,852,815 |
| 1926 | 8,825,804 | 8,552,400 | 14,765,725 | 1,468,004 | 3,505,348 |
| 1927 | 8,985,788 | 9,607,829 | 12,916,469 | 1,646,487 | 2,787,439 |
| 1928 | 10,656,200 | 10,424,217 | 14,008,406 | 2,047,206 | 3,022,744 |
| 1929 | 13,539,645 | 9,725,876 | 13,636,562 | 1,845,395 | 3,441,617 |
| 1930 | 12,193,829 | 7,880,224 | 12,261,659 | 2,035,325 | 2,752,954 |
| 1931 | 10,225,732 | 7,479,993 | 10,154,171 | 1,990,925 | 2,359,431 |
| 1932 | 9,621,041 | 6,289,293 | 8,687,895 | 1,961,468 | 1,773,574 |
| 1933 | 10,598,439 | 6,441,695 | 8,927,408 | 2,168,497 | 1,594,335 |
| 1934 | 13,351,475 | 7,740,823 | 9,681,536 | 1,654,534 | 1,652,397 |
| 1935 | 15,051,893 | 7,956,783 | 10,440,789 | 2,031,221 | 1,835,499 |
| 1936 | 17,531,451 | 8,761,356 | 10,866,346 | 2,085,489 | 1,895,491 |
| 1937 | 21,719,730 | 10,237,823 | 12,620,507 | 2,734,307 | 2,148,753 |
| 1938 | 19,288,172 | 9,069,298 | 11,098,901 | 2,961,482 | 2,181,010 |
| 1939 | 21,359,828 | 10,712,394 | 12,773,781 | 3,060,456 | 2,011,020 |
| 1940 | 31,078,759 | 14,457,299 | 15,518,667 | 3,709,952 | 2,624,821 |
| 1941 | 40,214,658 | 16,744,806 | 18,476,397 | 4,199,139 | 2,889,982 |
| 1942 | 38,641,867 | 17,221,769 | 19,181,665 | 5,036,489 | 3,113,613 |
| 1943 | 37,528,257 | 15,614,453 | 19,047,039 | 5,637,142 | 3,246,393 |
| 1944 | 39,091,667 | 16,699,663 | 23,700,310 | 6,391,770 | 4,007,266 |
| 1945 | 40,100,872 | 17,558,552 | 24,468,409 | 7,065,732 | 4,620,313 |
| 1946 | 50,213,833 | 20,797,070 | 29,995,156 | 9,015,540 | 6,125,181 |
| 1947 | 66,126,302 | 26,009,996 | 39,727,187 | 12,179,656 | 7,517,467 |
| 1948 | 80,864,700 | 31,036,805 | 45,178,968 | 13,927,917 | 9,238,734 |
| 1949 | 80,632,075 | 30,033,478 | 40,598,820 | 13,950,007 | 8,269,115 |

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.
*Source: Dominion Bureau of Statistics.*

Table 69.
Production of Building Boards and Building Papers

| | Building Boards (a) | | Building Papers (b) | |
|---|---|---|---|---|
| | Tons | | Tons | |
| 1921 | 23,542 | $ 1,437,740 | 14,406 | $1,126,260 |
| 1922 | 31,176 | 1,580,496 | 19,892 | 1,353,553 |
| 1923 | 46,401 | 2,601,533 | 32,797 | 2,315,688 |
| 1924 | 49,577 | 2,787,633 | 25,178 | 2,102,292 |
| 1925 | 42,599 | 2,213,490 | 23,800 | 2,051,873 |
| 1926 | 45,694 | 2,378,861 | 28,049 | 2,094,073 |
| 1927 | 43,331 | 2,269,956 | 33,817 | 2,151,413 |
| 1928 | 46,569 | 2,406,554 | 34,040 | 2,265,404 |
| 1929 | 53,829 | 2,687,387 | 32,560 | 2,016,057 |
| 1930 | 48,718 | 2,723,436 | 26,746 | 1,588,228 |
| 1931 | 43,328 | 2,345,093 | 28,946 | 1,519,020 |
| 1932 | 28,035 | 1,410,426 | 16,095 | 807,762 |
| 1933 | 23,050 | 1,131,872 | 15,227 | 775,785 |
| 1934 | 28,920 | 1,391,812 | 22,467 | 1,104,172 |
| 1935 | 34,424 | 1,620,583 | 21,752 | 1,159,249 |
| 1936 | 44,838 | 2,114,207 | 23,403 | 1,284,168 |
| 1937 | 51,934 | 2,567,715 | 26,962 | 1,400,496 |
| 1938 | 46,203 | 2,359,366 | 25,659 | 1,309,290 |
| 1939 | 56,649 | 2,862,506 | 29,970 | 1,497,603 |
| 1940 | 83,356 | 5,086,688 | 35,720 | 1,913,899 |
| 1941 | 108,585 | 6,767,709 | 42,018 | 2,375,261 |
| 1942 | 109,961 | 6,750,198 | 43,472 | 2,523,060 |
| 1943 | 116,834 | 7,845,612 | 44,637 | 2,610,790 |
| 1944 | 111,554 | 7,682,631 | 50,879 | 3,017,412 |
| 1945 | 119,391 | 8,440,191 | 58,199 | 3,459,384 |
| 1946 | 138,425 | 10,459,532 | 71,081 | 4,684,693 |
| 1947 | 164,374 | 14,039,205 | 79,858 | 5,703,911 |
| 1948 | 194,067 | 18,255,528 | 88,454 | 7,368,976 |
| 1949 | 182,631 | 16,703,056 | 83,471 | 6,320,791 |

(a) Includes woodpulp board used in paper converting plants to produce laminated wallboards.

(b) Figures for years prior to 1936 include some saturated felts and sheathings.

*Source: Dominion Bureau of Statistics.*

Table 70.

Exports of Paper (Except Newsprint) — Volume

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and in the succeeding table.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in tables 67 and 68.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basic rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the succeeding table under the heading "Paper Products".

| Tons | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 | 1943 | 1942 | 1941 |
|---|---|---|---|---|---|---|---|---|---|
| Wrapping — Coated | 1,469 | 3,095 | 2,659 | 2,259 | ..... | ..... | ..... | ..... | ..... |
| Wrapping — Kraft — n.o.p. | 8,530 | 11,215 | 12,960 | 14,270 | 22,113 | 17,941 | 16,275 | 17,797 | 24,282 |
| Wrapping — n.o.p. | 3,423 | 7,283 | 5,674 | 5,924 | 6,983 | 7,550 | 6,650 | 16,306 | 10,839 |
| Book | 13,438 | 36,882 | 37,291 | 24,676 | 17,124 | 17,402 | 10,193 | 5,968 | 5,136 |
| Bond & Writing | 3,347 | 5,036 | 9,655 | 6,175 | 4,184 | 3,989 | 3,893 | 1,860 | 2,830 |
| Paperboard — n.o.p. | 56,557 | 90,443 | 62,444 | 59,799 | 64,643 | 62,580 | 44,668 | 82,227 | 137,949 |
| Roofing Paper — all kinds | 1,785 | 5,341 | 11,018 | 4,146 | 3,366 | 3,088 | 2,987 | 2,947 | 8,557 |
| Pulp & Fibre Wallboards | 11,968 | 15,852 | 20,209 | 14,294 | 17,914 | 13,641 | 13,179 | 20,671 | 33,689 |
| Waste Paper — n.o.p. | 17,356 | 15,185 | 10,451 | 10,421 | 11,260 | 10,669 | 7,915 | 16,922 | 23,424 |
| Pulpboard for Wallboards | 22,991 | 29,164 | 31,636 | 27,610 | 29,625 | 28,147 | 27,801 | 23,194 | 20,303 |
| Tissue Paper | 52 | 794 | 1,682 | 328 | 377 | 709 | 871 | 170 | 2,256 |
| Toilet Paper | 3,562 | 5,716 | 3,339 | 1,878 | 2,980 | 2,479* | ... | ... | ... |
| | 144,478 | 226,006 | 209,018 | 171,780 | 180,569 | 168,195 | 134,342 | 188,062 | 269,265 |

n.o.p.: not otherwise provided for.

* : included in other categories in preceding years.

*Source: Dominion Bureau of Statistics.*

Table 71.

## Exports of Paper (Except Newsprint) — Value

(See note accompanying the preceding table)

| *Paper* | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 | 1943 | 1942 | 1941 |
|---|---|---|---|---|---|---|---|---|---|
| Wrapping — Coated | $ 361,797 | $ 719,362 | $ 621,087 | $ 408,117 | ..... | ..... | ..... | ..... | ..... |
| Wrapping — Kraft — n.o.p. | 1,393,184 | 1,793,314 | 1,853,880 | 1,720,167 | $ 2,555,522 | $ 1,989,604 | $ 1,844,688 | $ 1,895,633 | $ 2,451,549 |
| Wrapping — n.o.p. | 555,329 | 1,097,622 | 920,379 | 941,112 | 1,215,050 | 1,267,410 | 1,017,723 | 1,508,020 | 1,086,229 |
| Book | 2,265,837 | 5,840,550 | 6,068,943 | 3,580,946 | 3,062,502 | 3,012,611 | 1,558,247 | 917,884 | 741,566 |
| Bond & Writing | 923,088 | 1,485,841 | 2,549,180 | 1,410,794 | 877,296 | 778,829 | 715,927 | 328,039 | 500,602 |
| Paperboard — n.o.p. | 5,907,085 | 9,887,003 | 6,940,775 | 5,622,884 | 5,397,180 | 5,082,130 | 3,219,462 | 5,269,360 | 8,433,952 |
| Roofing paper — all kinds | 108,995 | 508,582 | 841,160 | 330,205 | 185,831 | 157,373 | 157,645 | 150,004 | 473,689 |
| Pulp and Fibre Wallboards | 1,258,749 | 1,437,700 | 1,878,294 | 1,234,205 | 1,438,850 | 1,181,774 | 1,050,747 | 1,479,934 | 2,528,745 |
| Waste paper — n.o.p. | 518,798 | 569,879 | 287,614 | 264,338 | 255,590 | 198,150 | 162,703 | 332,165 | 488,745 |
| Pulpboard for Wallboards | 1,798,317 | 2,194,904 | 2,110,674 | 1,562,941 | 1,621,460 | 1,402,121 | 1,350,415 | 1,104,697 | 868,776 |
| Tissue Paper | 15,834 | 207,298 | 409,345 | 87,666 | 78,315 | 133,424 | 134,662 | 32,016 | 325,340 |
| Toilet Paper | 723,387 | 1,472,949 | 710,109 | 308,192 | 502,796 | 402,573 | ..... | ..... | ..... |
| | $15,730,400 | $27,215,004 | $25,191,440 | $17,491,567 | $17,190,392 | $15,605,999 | $11,212,219 | $13,017,752 | $17,889,193 |
| *Paper Products* | | | | | | | | | |
| Bags, Boxes & Cartons | $ 778,364 | $ 1,846,385 | $ 1,108,720 | $ 819,430 | $ 1,555,349 | $ 838,349 | $ 909,309 | $ 658,743 | $ 693,109 |
| Hanging or Wall | 723,927 | 595,496 | 769,625 | 687,149 | 459,566 | 311,819 | 232,785 | 163,168 | 153,093 |
| Hanging not Printed | ..... | 15,999 | 47,429 | 70,080 | ..... | ..... | ..... | ..... | 1,542 |
| Writing Paper — n.o.p. | 90,858 | 225,198 | 542,741 | 378,821 | 807,402 | 625,650 | ..... | ..... | ..... |
| Other Paper | 494,096 | 1,199,436 | 1,521,174 | 1,285,535 | 1,376,534 | 925,593 | 2,152,398 | 1,010,435 | 1,126,920 |
| | $ 2,087,245 | $ 3,882,514 | $ 3,989,689 | $ 3,241,015 | $ 4,198,851 | $ 2,701,649 | $ 3,294,492 | $ 1,832,346 | $ 1,974,664 |
| Total | $17,817,645 | $31,097,518 | $29,181,129 | $20,732,582 | $21,389,243 | $18,307,648 | $14,506,711 | $14,850,098 | $19,873,857 |

n.o.p. : Not otherwise provided for.

*Source: Dominion Bureau of Statistics.*

# "F" — NATIONAL SIGNIFICANCE

*1949 figures include Newfoundland for the full year.*

Table 72.

## Production and Exports of Paper

| | Production Tons | Production Value | Exports Tons (a) | Exports Value |
|---|---|---|---|---|
| 1920 | 1,214,951 | $132,022,767 | 780,932 | $ 86,744,010 |
| 1921 | 1,018,947 | 106,553,935 | 733,549 | 75,510,945 |
| 1922 | 1,366,815 | 106,260,078 | 994,848 | 74,825,893 |
| 1923 | 1,589,303 | 127,984,370 | 1,178,743 | 93,770,957 |
| 1924 | 1,718,741 | 133,319,497 | 1,263,342 | 99,248,497 |
| 1925 | 1,884,705 | 140,160,675 | 1,442,296 | 106,624,046 |
| 1926 | 2,266,143 | 158,182,227 | 1,770,386 | 121,414,513 |
| 1927 | 2,468,691 | 168,230,740 | 1,918,866 | 129,637,687 |
| 1928 | 2,849,199 | 184,305,405 | 2,252,757 | 147,156,792 |
| 1929 | 3,197,149 | 192,989,252 | 2,563,859 | 154,919,122 |
| 1930 | 2,926,787 | 173,305,874 | 2,372,640 | 138,530,243 |
| 1931 | 2,611,225 | 143,629,889 | 2,042,151 | 111,114,042 |
| 1932 | 2,290,767 | 113,873,123 | 1,805,130 | 86,323,539 |
| 1933 | 2,419,420 | 96,689,875 | 1,871,191 | 72,396,132 |
| 1934 | 3,069,516 | 120,892,225 | 2,454,341 | 87,633,721 |
| 1935 | 3,280,896 | 125,752,650 | 2,617,579 | 94,041,591 |
| 1936 | 3,806,710 | 146,354,666 | 3,061,174 | 110,861,428 |
| 1937 | 4,345,361 | 175,885,423 | 3,532,269 | 136,164,168 |
| 1938 | 3,249,358 | 151,650,065 | 2,545,456 | 112,872,776 |
| 1939 | 3,600,502 | 170,776,062 | 2,795,876 | 124,127,164 |
| 1940 | 4,319,414 | 225,836,809 | 3,489,946 | 170,879,526 |
| 1941 | 4,524,776 | 241,450,292 | 3,587,181 | 176,184,025 |
| 1942 | 4,231,767 | 230,269,512 | 3,241,941 | 156,938,084 |
| 1943 | 3,966,344 | 234,036,152 | 2,983,882 | 160,825,462 |
| 1944 | 4,044,376 | 255,545,841 | 3,012,975 | 177,290,282 |
| 1945 | 4,359,576 | 282,837,614 | 3,285,611 | 203,011,992 |
| 1946 | 5,347,118 | 396,956,390 | 4,045,795 | 287,437,805 |
| 1947 | 5,775,082 | 507,101,277 | 4,452,090 | 373,070,338 |
| 1948 | 6,063,646 | 582,346,842 | 4,587,501 | 416,681,608 |
| 1949 | 6,539,969 | 641,459,838 | 4,952,283 | 459,039,871 |

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 70). The value figures, however, cover all exports of paper and paper products.

*Source: Dominion Bureau of Statistics.*

Table 73.

## Imports of Wood-pulp and Paper and Paper Goods

| | Wood-pulp Tons | Wood-pulp Value | Paper and Paper Goods (a) |
|---|---|---|---|
| 1915 | a | $ 423,331 | $ 2,402,507 |
| 1916 | a | 552,002 | 3,321,569 |
| 1917 | a | 587,369 | 4,204,968 |
| 1918 | a | 470,516 | 8,480,498 |
| 1919 | a | 609,804 | 9,246,414 |
| 1920 | 21,141 | 1,940,461 | 14,059,046 |
| 1921 | 17,354 | 1,683,041 | 8,395,267 |
| 1922 | 17,300 | 1,008,527 | 8,295,094 |
| 1923 | 17,229 | 947,225 | 9,112,896 |
| 1924 | 24,497 | 1,375,991 | 9,327,942 |
| 1925 | 23,423 | 1,274,542 | 9,142,177 |
| 1926 | 22,939 | 1,211,186 | 10,977,946 |
| 1927 | 23,678 | 1,258,533 | 11,618,538 |
| 1928 | 22,424 | 1,107,801 | 13,260,288 |
| 1929 | 19,874 | 1,024,569 | 14,739,472 |
| 1930 | 18,526 | 826,862 | 12,907,658 |
| 1931 | 14,418 | 592,904 | 9,585,986 |
| 1932 | 13,420 | 462,649 | 6,790,363 |
| 1933 | 5,708 | 177,289 | 5,345,603 |
| 1934 | 8,205 | 257,782 | 5,503,081 |
| 1935 | 16,378 | 534,358 | 5,828,073 |
| 1936 | 19,201 | 617,599 | 6,706,408 |
| 1937 | 21,053 | 695,819 | 7,981,545 |
| 1938 | 16,979 | 561,474 | 7,520,328 |
| 1939 | 21,544 | 763,141 | 8,653,987 |
| 1940 | 19,996 | 814,387 | 8,858,180 |
| 1941 | 20,653 | 1,069,953 | 9,341,390 |
| 1942 | 21,451 | 1,298,521 | 10,675,315 |
| 1943 | 21,662 | 1,452,133 | 10,701,736 |
| 1944 | 13,747 | 1,100,412 | 12,156,601 |
| 1945 | 14,510 | 1,166,078 | 13,376,067 |
| 1946 | 14,471 | 1,290,956 | 18,834,089 |
| 1947 | 28,326 | 3,068,086 | 23,027,200 |
| 1948 | 33,004 | 3,799,597 | 17,212,565 |
| 1949 | 35,432 | 3,963,086 | 20,207,068 |

a: Quantity not available.

*Source: Dominion Bureau of Statistics.*

Table 74.

## Pulp and Paper Exports and Canadian Trade

| | Pulp and paper Exports | Total domestic exports of Canada | Pulp and paper exports to total exports — % | Trade Balance |
|---|---|---|---|---|
| 1919 | $97,168,278 | $1,235,958,483 | 7.86 | $348,778,322 |
| 1920 | 163,127,988 | 1,268,014,533 | 12.86 | — 38,758,816 |
| 1921 | 108,644,620 | 800,149,296 | 13.58 | 14,665,274 |
| 1922 | 115,863,742 | 880,408,645 | 13.16 | 131,814,604 |
| 1923 | 140,798,453 | 1,002,401,467 | 14.05 | 112,955,801 |
| 1924 | 139,491,469 | 1,029,699,449 | 13.55 | 234,108,594 |
| 1925 | 154,555,951 | 1,239,554,207 | 12.47 | 361,472,800 |
| 1926 | 173,491,635 | 1,261,241,525 | 13.76 | 268,256,906 |
| 1927 | 176,633,728 | 1,210,596,998 | 14.59 | 143,924,299 |
| 1928 | 192,771,615 | 1,339,409,562 | 14.39 | 141,470,440 |
| 1929 | 198,287,106 | 1,152,416,330 | 17.21 | — 120,650,245 |
| 1930 | 177,590,222 | 863,683,761 | 20.56 | — 125,331,731 |
| 1931 | 141,170,685 | 587,653,440 | 24.02 | — 28,537,926 |
| 1932 | 105,253,603 | 489,883,112 | 21.48 | 45,299,340 |
| 1933 | 95,750,769 | 529,449,529 | 18.09 | 134,269,478 |
| 1934 | 113,078,565 | 649,314,236 | 17.42 | 142,836,731 |
| 1935 | 121,667,321 | 724,977,459 | 16.78 | 187,621,328 |
| 1936 | 142,108,123 | 937,824,933 | 15.15 | 315,318,408 |
| 1937 | 177,979,899 | 997,366,918 | 17.84 | 203,225,455 |
| 1938 | 140,603,514 | 837,583,917 | 16.79 | 171,232,779 |
| 1939 | 155,127,766 | 924,926,104 | 16.77 | 184,866,179 |
| 1940 | 231,809,675 | 1,178,954,420 | 19.66 | 111,266,873 |
| 1941 | 262,081,761 | 1,621,003,175 | 16.17 | 191,662,891 |
| 1942 | 253,104,957 | 2,363,773,296 | 10.71 | 741,224,113 |
| 1943 | 260,838,237 | 2,971,475,277 | 8.78 | 1,266,275,389 |
| 1944 | 278,853,306 | 3,439,953,165 | 8.11 | 1,724,200,415 |
| 1945 | 309,066,903 | 3,218,330,353 | 9.60 | 1,681,649,146 |
| **1946** | **401,458,464** | **2,312,215,301** | **17.36** | **411,886,445** |
| 1947 | 550,872,950 | 2,774,902,355 | 19.85 | 237,846,285 |
| 1948 | 628,245,992 | 3,075,438,085 | 20.43 | 473,083,316 |
| 1949 | 630,544,034 | 2,998,356,417 | 21.03 | 254,085,902 |

—: Unfavourable balance.

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports.

Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

*Source: Dominion Bureau of Statistics.*

Table 75.

## Products of Newfoundland's Pulp and Paper Mills (Finished products for sale)

| Calendar Year | Newsprint & Sideruns Tons | Sulphite Pulp Tons | Mechanical Pulp Tons | Sundries* Tons | Total Production Tons |
|---|---|---|---|---|---|
| 1938 | 268,625 | 885 | — | 323 | 269,833 |
| 1939 | 308,530 | 5,975 | — | 326 | 314,831 |
| 1940 | 361,703 | 26,647 | 6,432 | 361 | 395,143 |
| 1941 | 360,930 | 44,470 | 14,806 | 657 | 420,863 |
| 1942 | 283,358 | 62,970 | 29,025 | 1,386 | 376,739 |
| 1943 | 239,882 | 47,007 | 38,502 | 4,393 | 329,784 |
| 1944 | 278,159 | 27,005 | 44,161 | 7,404 | 356,729 |
| 1945 | 344,573 | 37,014 | 14,237 | 4,337 | 400,161 |
| 1946 | 374,993 | 17,952 | — | 4,528 | 397,473 |
| 1947 | 387,097 | 43,020 | 468 | 4,144 | 434,729 |
| 1948 | 397,983 | 54,899 | 3,228 | 3,867 | 459,977 |

* Includes mill wrappers, sheathing paper, sulphite wrapping for local use.

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals and will not be shown separately in future.

*Source: Newfoundland Department of Natural Resources.*

Table 76.

## Exports of Canadian Produce to the United States

| | 1948 | % | 1949 | % |
|---|---|---|---|---|
| Pulp | $ 184,983,027 | 12.3 | $ 141,641,380 | 9.4 |
| Newsprint* | 342,795,392 | 22.8 | 396,362,860 | 26.2 |
| Other paper and paper products | 11,381,253 | .8 | 8,445,413 | .6 |
| | $ 539,159,672 | 35.9 | $ 546,449,653 | 36.2 |
| Wood, wood products and paper | $ 754,937,316 | 50.3 | $ 713,960,304 | 47.3 |
| Animals and animal products | 217,940,763 | 11.1 | 201,819,831 | 13.4 |
| Non-ferrous metals and their products | 166,546,176 | 14.5 | 198,196,619 | 13.1 |
| Agricultural and vegetable products | 139,322,445 | 9.3 | 170,640,438 | 11.3 |
| Iron and its products | 92,218,545 | 6.2 | 108,735,176 | 7.2 |
| Non-metallic minerals and their products | 57,462,451 | 3.8 | 52,248,771 | 3.5 |
| Chemicals and allied products | 33,568,378 | 2.2 | 33,358,815 | 2.2 |
| Fibres, textiles and textile products | 17,034,717 | 1.1 | 11,180,374 | .7 |
| Miscellaneous commodities | 21,955,930 | 1.5 | 19,999,514 | 1.3 |
| Total, excluding gold | $1,500,986,721 | 100. | $1,510,139,842 | 100. |

* Includes mutilated newsprint valued at $2,461,347 in 1948 and $1,103,285 in 1949.

*Source: Dominion Bureau of Statistics.*

## Table 77.
## Pulp and Paper Production and the National Income

| | Gross Production of Industry | Gross National Product (a) '000,000 | Net Production of Industry (b) | Net National Income (a) '000,000 |
|---|---|---|---|---|
| 1926 | $215,370,274 | $ 5,196 | $109,580,404 | $ 4,078 |
| 1927 | 219,329,753 | 5,447 | 110,492,354 | 4,291 |
| 1928 | 233,077,236 | 5,985 | 120,039,858 | 4,750 |
| 1929 | 243,970,761 | 5,956 | 122,288,583 | 4,689 |
| 1930 | 215,970,761 | 5,348 | 107,959,927 | 4,190 |
| 1931 | 174,733,954 | 4,480 | 88,166,297 | 3,261 |
| 1932 | 135,648,729 | 3,718 | 67,121,459 | 2,582 |
| 1933 | 123,415,492 | 3,468 | 57,289,643 | 2,387 |
| 1934 | 152,647,756 | 3,962 | 77,696,593 | 2,820 |
| 1935 | 159,325,546 | 4,285 | 79,199,741 | 3,117 |
| 1936 | 183,632,995 | 4,644 | 86,406,163 | 3,446 |
| 1937 | 226,244,711 | 5,279 | 106,002,017 | 4,017 |
| 1938 | 183,897,503 | 5,165 | 89,034,186 | 3,986 |
| 1939 | 208,152,295 | 5,598 | 103,123,660 | 4,289 |
| 1940 | 298,034,843 | 6,772 | 158,230,575 | 5,255 |
| 1941 | 334,726,175 | 8,434 | 174,852,041 | 6,594 |
| 1942 | 336,697,277 | 10,455 | 164,500,420 | 8,373 |
| 1943 | 344,411,614 | 11,283 | 164,244,088 | 9,102 |
| 1944 | 369,846,086 | 11,919 | 174,492,103 | 9,741 |
| 1945 | 398,805,515 | 11,810 | 180,401,885 | 9,788 |
| 1946 | 527,814,916 | 12,008 | 258,164,578 | 9,819 |
| 1947 | 706,971,628 | 13,657 | 356,084,900 | 10,916 |
| 1948 | 825,857,664 | 15,503 | 412,770,470 | 12,474 |
| 1949 | 836,148,393 | 16,074* | 423,375,527 | 12,917* |

* Preliminary figures excluding Newfoundland for which figures are not available. National income in Newfoundland in 1948 is estimated at $120 million.

All National Income figures from 1926 have been compiled on a revised basis in September, 1948, and those from 1942 were further revised in October, 1950. Figures for years prior to 1926 are not comparable.

a: The "national income" is the total of all incomes earned by Canadians in the production of goods and services during the calendar year. The "gross national product" is the market value of all goods and services produced by Canadians. It is obtained by adding to the national income two items which are not "income" but which are part of the final cost of all goods and services — namely, allowances for depreciation of plant and equipment, and indirect taxes less subsidies.

b: The "net value of production" or value added by manufacture is computed by subtracting the cost of fuel and electricity as well as the cost of materials from the gross value of the products.

The figures for the years prior to 1926, when the National Income figures were compiled on a different basis and for which the gross National product figures are not available, were as follows:

| | Gross Production of Industry | Net Production of Industry | National Income |
|---|---|---|---|
| 1921 | $151,003,165 | $73,765,200 | $3,507 |
| 1922 | 158,950,956 | 81,258,232 | 3,671 |
| 1923 | 184,821,511 | 95,076,985 | 3,847 |
| 1924 | 179,259,504 | 89,629,253 | 3,865 |
| 1925 | 193,092,937 | 99,071,212 | 4,239 |

*Source: Dominion Bureau of Statistics*

## Table 78.
## Growth of Industry

| | Paper and Paper Mills (a) | Total Employees | Total Production |
|---|---|---|---|
| 1871 | 21 | 760 | $ 1,071,651 |
| 1881 | 41 | 1,588 | 2,509,993 |
| 1891 | 58 | 2,817 | 3,633,257 |
| 1901 | 53 | 6,236 | 8,627,557 |
| 1911 | 72 | 9,766 | 23,226,479 |
| 1921 | 100 | 24,619 | 151,003,165 |
| 1931 | 103 | 26,669 | 174,733,954 |
| 1941 | 106 | 37,154 | 334,726,175 |
| 1945 | 109 | 39,996 | 398,804,515 |
| 1946 | 113 | 44,967 | 527,814,916 |
| 1947 | 115 | 49,946 | 706,971,628 |
| 1948 | 117 | 51,924 | 825,857,664 |
| 1949 | 123 | 52,050 | 836,148,393b |

a: Number of mills operated during year.

b: Includes products other than pulp or paper valued at $40,696.

Note: At the close of 1950 there were altogether 131 pulp and paper mills in Canada, of which 126 were active during all or part of the year, one was idle and four were under construction. This total includes two asbestos paper mills which, for statistical purposes report in the Asbestos Products industry only.

Manufacturers of moulded pulp products and of laminated, coated or impregnated papers and paperboards are classed in the Paper Goods industry or in the Roofing Paper industry only, unless they produce the pulp or paper used, in which case separate returns are made covering pulp and paper manufacture and paper conversion.

*Source: Dominion Bureau of Statistics.*

## Table 79.
## Operations of Mills

| | No. of mills 1949 |
|---|---|
| Groundwood pulp | 70 |
| Mechanical screenings | 25 |
| Soda pulp | 1 |
| Bleached sulphite (dissolving) | 6 |
| Bleached sulphite (paper pulp) | 13 |
| Unbleached sulphite (strong) | 11 |
| Unbleached sulphite (news grade) | 30 |
| Sulphate pulp, bleached | 6 |
| Sulphate pulp, semi-bleached | 4 |
| Sulphate pulp, unbleached | 12 |
| Chemical screenings | 33 |
| Defibrated and exploded pulps | 7 |
| Other pulp | 2 |
| Newsprint | 42 |
| Groundwood printing and specialty papers | 9 |
| Book paper | 11 |
| Fine papers | 12 |
| Miscellaneous fine papers | 11 |
| Tissue paper other than sanitary | 11 |
| Sanitary paper | 14 |
| Special industrial papers | 9 |
| Wrapping papers | 21 |
| Building papers | 13 |
| Paperboard | 39 |
| Building boards | 7 |
| Wet machine boards | 4 |

Note: Most mills make two or more products. There were in all 123 active mills in 1949.

*Source: Dominion Bureau of Statistics.*

## Table 80.
## Mill Locations

| | Pulp Mills | Pulp & Paper Mills | Paper Mills | Total |
|---|---|---|---|---|
| Newfoundland | 1 | 2 | — | 3 |
| Nova Scotia | 2 | 2 | — | 4 |
| New Brunswick | 4 | 3 | — | 7 |
| Quebec | 12 | 32 | 10 | 54 |
| Ontario | 9 | 18 | 17 | 44 |
| Manitoba | — | 2 | — | 2 |
| British Columbia | 4 | 5 | — | 9 |
| Canada | 32 | 64 | 27 | 123 |

Note: See foot-note in Table 78.

*Source: Dominion Bureau of Statistics.*

## Table 81.
## Capital Invested

Based on the figures of the 1946 annual reports of companies which accounted for some 70 per cent of the capacity of the industry, and on their total assets, plus depreciation and depletion, less current liabilities, the Financial Post of July 12, 1947, estimated that the pulp and paper industry of Canada represents a capital investment of $1.1 billion.

For the years 1946 to 1950, annual surveys of the Department of Trade & Commerce, covering some 95 per cent of the industry, show the following capital expenditures:

| Year | Millions of $ |
|---|---|
| 1946 | 49.5 |
| 1947 | 77.7 |
| 1948 | 79.9 |
| 1949 | 66.3 |
| 1950 | 61.3 |
| | 334.7 |

The foregoing figures do not include capital expenditures made on the woodlands nor, of course, expenditures for maintenance and renewals. Hence, capital investment in the industry which now comprises Newfoundland would appear to exceed $1,375 million in 1949.

In 1943, the last year in which capital investment figures were compiled by the Dominion Bureau of Statistics, the capital investment in pulp and paper was $667,458,143. This figure, though, did not include many substantial assets of the industry including timber limits, hydro-electric developments, or investments in subsidiary and other enterprises.

Table 82.

## Employees and Wages

| | Total Employees | Employees On Salary | Total Salaries Paid | Average Salary | Employees On Wages | Total Wages Paid | Average Wage | Wage Index (a) | Cost of Living Index | Total Salaries & Wages |
|---|---|---|---|---|---|---|---|---|---|---|
| 1920 | 31,298 | 2,669 | $ 6,536,579 | $ 2,449 | 28,629 | $38,717,314 | $ 1,352 | 109.5 | 150.5 | $45,253,893 |
| 1921 | 24,611 | 2,353 | 6,363,304 | 2,704 | 22,258 | 27,835,786 | 1,251 | 101.3 | 132.5 | 34,199,090 |
| 1922 | 25,830 | 2,608 | 6,326,635 | 2,426 | 23,222 | 26,592,320 | 1,145 | 92.7 | 121.3 | 32,918,955 |
| 1923 | 29,234 | 2,820 | 7,069,196 | 2,507 | 26,414 | 31,313,649 | 1,185 | 96.0 | 121.7 | 38,382,845 |
| 1924 | 27,627 | 2,993 | 6,938,659 | 2,318 | 24,634 | 30,710,869 | 1,247 | 101.0 | 119.5 | 37,649,528 |
| 1925 | 28,031 | 2,971 | 6,816,191 | 2,294 | 25,060 | 31,744,714 | 1,267 | 102.6 | 120.6 | 38,560,905 |
| 1926 | 31,279 | 3,099 | 7,492,040 | 2,418 | 28,180 | 36,683,462 | 1,302 | 105.4 | 121.8 | 44,175,502 |
| 1927 | 32,876 | 3,174 | 8,093,830 | 2,550 | 29,702 | 37,580,463 | 1,265 | 102.4 | 119.9 | 45,674,293 |
| 1928 | 33,614 | 3,507 | 8,713,671 | 2,485 | 30,107 | 38,608,977 | 1,282 | 103.8 | 120.5 | 47,322,648 |
| 1929 | 34,202 | 3,738 | 9,391,901 | 2,513 | 30,464 | 40,822,544 | 1,340 | 108.5 | 121.7 | 50,214,445 |
| 1930 | 33,207 | 3,532 | 9,538,588 | 2,701 | 29,675 | 36,236,388 | 1,221 | 98.9 | 120.8 | 45,774,976 |
| 1931 | 26,669 | 3,170 | 7,858,839 | 2,479 | 23,499 | 26,933,174 | 1,146 | 92.8 | 109.1 | 34,792,013 |
| 1932 | 24,561 | 3,112 | 7,240,125 | 2,327 | 21,449 | 21,108,003 | 984 | 79.7 | 99.0 | 28,348,128 |
| 1933 | 24,037 | 2,920 | 6,464,510 | 2,214 | 21,117 | 20,193,032 | 956 | 77.4 | 94.4 | 26,657,542 |
| 1934 | 26,993 | 3,174 | 7,148,763 | 2,252 | 23,819 | 26,158,280 | 1,098 | 88.9 | 95.6 | 33,307,043 |
| 1935 | 27,836 | 3,290 | 7,827,961 | 2,379 | 24,546 | 28,065,352 | 1,143 | 92.6 | 96.2 | 35,893,313 |
| 1936 | 29,478 | 3,372 | 7,927,690 | 2,351 | 26,106 | 31,512,384 | 1,207 | 97.7 | 98.1 | 39,440,074 |
| 1937 | 33,205 | 4,044 | 9,561,449 | 2,364 | 29,161 | 39,196,346 | 1,344 | 108.8 | 101.2 | 48,757,795 |
| 1938 | 30,943 | 4,263 | 10,823,536 | 2,539 | 26,680 | 31,795,775 | 1,192 | 96.5 | 102.2 | 42,619,311 |
| 1939 | 31,016 | 4,382 | 10,875,243 | 2,482 | 26,634 | 33,862,136 | 1,271 | 102.9 | 101.5 | 44,737,739 |
| 1940 | 34,719 | 4,630 | 11,693,329 | 2,526 | 30,089 | 44,380,483 | 1,475 | 119.4 | 105.6 | 56,073,812 |
| 1941 | 37,154 | 4,970 | 12,924,964 | 2,601 | 32,184 | 50,752,854 | 1,577 | 127.7 | 111.7 | 63,677,818 |
| 1942 | 38,002 | 5,071 | 13,618,478 | 2,686 | 32,931 | 56,037,915 | 1,702 | 137.8 | 117.0 | 69,656,393 |
| 1943 | 37,020 | 5,384 | 14,663,655 | 2,724 | 31,636 | 56,535,767 | 1,787 | 144.7 | 118.4 | 71,199,422 |
| 1944 | 37,896 | 5,488 | 15,617,507 | 2,846 | 32,408 | 60,215,901 | 1,858 | 150.4 | 118.9 | 75,833,408 |
| 1945 | 39,996 | 5,981 | 16,766,154 | 2,803 | 34,015 | 63,696,490 | 1,873 | 151.6 | 119.5 | 80,462,644 |
| 1946 | 44,967 | 6,910 | 20,959,990 | 3,033 | 38,057 | 80,404,646 | 2,113 | 171.1 | 123.6 | 101,364,636 |
| 1947 | 49,946 | 7,706 | 26,286,577 | 3,411 | 42,240 | 103,191,418 | 2,443 | 197.8 | 135.5 | 129,477,995 |
| 1948 | 51,924 | 8,066 | 30,459,864 | 3,776 | 43,858 | 121,202,897 | 2,764 | 223.7 | 155.0 | 151,662,761 |
| 1949 | 52,050 | 8,243 | 32,784,295 | 3,977 | 43,807 | 124,919,573 | 2,852 | 230.9 | 160.8 | 157,703,868 |

Woods labour not included.

a: Canadian Pulp and Paper Association figures based on: 100 equals 1935-39 average. Cost of living index: 100 equals 1935-39 average.

*Source: Dominion Bureau of Statistics.*

Table 83.

## Capital, Employees and Wages

| | Capital Employed | Number of Employees | Capital Employed per employee | Total Salaries and Wages |
|---|---|---|---|---|
| 1920 | $347,553,333 | 31,292 | $11,105 | $45,253,892 |
| 1921 | 379,812,751 | 24,619 | 15,428 | 34,199,090 |
| 1922 | 381,006,324 | 25,830 | 14,751 | 32,918,955 |
| 1923 | 417,611,678 | 29,234 | 14,285 | 38,382,845 |
| 1924 | 459,457,696 | 27,627 | 16,631 | 37,649,528 |
| 1925 | 460,397,772 | 28,031 | 16,425 | 38,560,905 |
| 1926 | 501,184,714 | 31,279 | 16,023 | 44,175,502 |
| 1927 | 579,853,552 | 32,876 | 17,638 | 45,674,293 |
| 1928 | 685,687,459 | 33,614 | 20,399 | 47,322,648 |
| 1929 | 644,773,806 | 34,202 | 18,852 | 50,214,445 |
| 1930 | 703,937,104 | 33,207 | 21,198 | 45,774,976 |
| 1931 | 630,176,540 | 26,669 | 24,630 | 34,792,013 |
| 1932 | 597,550,013 | 24,561 | 24,329 | 28,348,128 |
| 1933 | 559,265,544 | 24,037 | 23,267 | 26,657,542 |
| 1934 | 554,973,891 | 26,993 | 20,560 | 33,307,043 |
| 1935 | 545,572,938 | 27,836 | 19,600 | 35,893,313 |
| 1936 | 536,073,034 | 29,478 | 18,186 | 39,440,074 |
| 1937 | 570,352,287 | 33,205 | 17,177 | 48,757,795 |
| 1938 | 594,908,222 | 30,943 | 19,226 | 42,619,311 |
| 1939 | 597,908,918 | 31,016 | 19,277 | 44,737,379 |
| 1940 | 642,979,942 | 34,719 | 18,520 | 56,073,812 |
| 1941 | 678,937,841 | 37,154 | 18,274 | 63,677,818 |
| 1942 | 655,598,196 | 38,002 | 17,251 | 69,656,393 |
| 1943 | 667,458,143 | 37,020 | 18,029 | 71,199,422 |
| 1946 a | 1,100,000,000 a | 44,967 | 24,462 a | 101,364,636 |
| 1947 a | 1,200,000,000 a | 49,946 | 24,026 a | 129,477,995 |
| 1948 a | 1,300,000,000 a | 51,924 | 25,047 a | 151,662,761 |
| 1949 a | 1,375,000,000 a | 52,050 | 26,416 a | 157,703,868 |

Woods labour is not included.

a: See Table 81.

*Source: Dominion Bureau of Statistics.*

Table 84.

## Estimated Wages Paid and Numbers Employed in 1949

| | |
|---|---|
| *Wages* | |
| Mill Workers | $157,703,868 |
| Woods Workers* | 88,798,000 |
| | $246,501,868 |
| *Workers* | |
| Seasonal woods workers on manufacturers' limits east of the Rockies | 126,300 |
| Permanent woods workers on manufacturers' limits east of the Rockies | 5,300 |
| Woods workers in B.C., mostly permanent | 4,400 |
| Woods workers cutting wood for sale to manufacturers | 66,550 |
| | 202,550 |
| Mill Workers, permanent | 52,050 |
| | 254,600 |

* Includes an estimated $28,450,000 to the 66,550 woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

*Source: Woodlands Section, Canadian Pulp and Paper Association estimate.*

## Table 85.
### Distribution of Sales Dollar

The average distribution of the sales dollar in the industry is as follows:

| | |
|---|---|
| Labour, mills and offices* | 19.2¢ |
| Woods costs, including labour & stumpage* | 28.5 |
| Materials purchased | 15.5 |
| Power & fuel | 7.9 |
| Taxes, income, corporation & municipal | 12. |
| Depreciation | 4.8 |
| Remaining in the business for working capital and other needs | 6.7 |
| Bond interest | 1.5 |
| Dividends | 3.9 |
| | 100.0¢ |

* As more than two-thirds of the cost of wood is paid out in wages, workers in the mills and woods in 1947 received 38¢ of every income dollar.

*Source:* Estimate of Canadian Pulp and Paper Association based on a breakdown of the figures covering almost 60 per cent of the industry during the first ten months of 1947.

Note: Covering 1949 operations, Abitibi Power & Paper Company Limited published the following breakdown of its sales dollar:

| | |
|---|---|
| Materials and services | 35.7¢ |
| Depreciation & depletion | 6.0 |
| Retained in business | 6.9 |
| Government and municipal taxes | 10.0 |
| Bond interest | 1.7 |
| Wages and salaries | 33.3 |
| Employee retirement income plan, group insurance, etc. | 1.7 |
| Dividends | 4.7 |
| | 100.0¢ |

## Table 86.
### Growth in Employment and Wages

| | 1915 | 1949 | % increase |
|---|---|---|---|
| Mill workers | 15,300 | 52,050 | 240 |
| Wages and salaries paid | $11,000,000 | $157,703,868 | 1,333 |

The average wage paid mill workers in 1949 was $2,852 while the average salary was $3,977.

*Source: Dominion Bureau of Statistics.*

## Table 87.
### Domestic Trade 1949

| | Pulp and Paper | Paper |
|---|---|---|
| Gross value of production | $836,107,697 | $641,459,838 |
| Exports | 630,544,034 | 459,039,871 |
| For domestic market | $205,563,663 | $182,419,967 |
| Per cent of production retained for domestic use | 24.6 | 28.4 |

*Source: Dominion Bureau of Statistics.*

## Table 88.
### Principal Expenditures 1949

| | |
|---|---|
| Transportation† | $130,000,000 |
| Chemicals & mill supplies* | 65,965,020 |
| Fuel* | 41,370,633 |
| Electricity* | 22,739,514 |
| Fibre and fibre stock* | 10,705,679 |
| Purchased pulpwood** | 44,070,244 |
| Foods† | 14,700,000 |
| Fodder† | 3,150,000 |
| Taxes & other pay'ts to Gov'ts† | 115,000,000 |
| Wages, including woods workers** | 246,501,868 |
| | $694,202,958 |

† Canadian Pulp and Paper Association estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1949 totalled $72,520,244 from which has been deducted $28,450,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the $246,501,868 shown as wages. See also Table 84.

## Table 89.
### Purchases of Mill Supplies 1949

| | |
|---|---|
| Chemicals, minerals, size, glue, dyes, etc. | $28,780,732 |
| Pulp stones | 427,999 |
| Machine clothing (woollen felts) | 7,447,854 |
| Miscellaneous supplies | 20,053,270 |
| Mill wrapping and packing material | 5,520,621 |
| Wire mesh (fourdrinier & cylinder) | 3,734,544 |
| | $65,965,020 |

*Source: Dominion Bureau of Statistics.*

## Table 90.
### Fuel Purchased 1949

| | |
|---|---|
| Quebec | $16,747,539 |
| Ontario | 13,978,058 |
| British Columbia | 3,364,682 |
| Newfoundland, New Brunswick, Nova Scotia & Manitoba | 7,280,354 |
| | $41,370,633 |

*Source: Dominion Bureau of Statistics.*

## Table 91.
### Electricity Purchased 1949

| | |
|---|---|
| Quebec | $15,163,258 |
| Ontario | 4,855,139 |
| British Columbia | 218,416 |
| New Brunswick, Nova Scotia and Manitoba | 2,502,701 |
| | $22,739,514 |

Note: In addition to purchased electricity the pulp and paper mills own hydro-electric plants which furnished 3,778,110,254 kilowatt hours of electricity to the mills in 1949.

*Source: Dominion Bureau of Statistics.*

## Table 92.
### Car Loadings and Revenue Freight Carried

| | Car Loadings for 52 weeks ending Dec. 31 '49 | | Revenue Freight Carried Calendar year 1949 | |
|---|---|---|---|---|
| | Carloads | % | Tons | % |
| Pulp and paper | 204,458 | 5.23 | 9,436,533 | 5.81 |
| Pulpwood | 173,832 | 4.45 | 7,912,805 | 4.88 |
| | 378,290 | 9.68 | 17,349,338 | 10.69 |
| Other forest products | 257,321 | 6.59 | 10,523,558 | 6.48 |
| | 635,611 | 16.27 | 27,872,896 | 17.17 |
| Agricultural Products | | | | |
| Grain | 380,813 | 9.75 | 20,868,620 | 12.86 |
| Grain Products | 130,712 | 3.34 | 5,203,492 | 3.20 |
| Other Agricultural Products | 93,996 | 2.41 | 4,700,270 | 2.90 |
| | 605,521 | 15.50 | 30,772,382 | 18.96 |
| Animal Products | 133,823 | 3.43 | 2,678,732 | 1.65 |
| Mineral Products | | | | |
| Coal | 311,939 | 7.98 | 26,217,183 | 16.16 |
| Coke | 31,532 | .81 | 2,174,266 | 1.34 |
| Ores and Concentrates | 164,664 | 4.21 | 12,074,453 | 7.44 |
| Sand, Stone, Gravel, Plaster, Lime, Brick, Cement, Sewer Pipe, Tile | 216,263 | 5.54 | 10,229,253 | 6.30 |
| Other Mineral Products | 99,526 | 2.55 | 9,572,396 | 5.90 |
| | 823,924 | 21.09 | 60,267,551 | 37.14 |
| Gasoline, Perroleum Oils and Products | 256,448 | 6.56 | 8,317,672 | 5.13 |
| Iron & Steel products, implements, machines, boilers, autos and parts, canned food & sugar, fertilizer | 256,432 | 6.56 | 13,030,056 | 8.03 |
| Other Products of Manufactures and miscellaneous | 271,172 | 6.94 | 15,422,253 | 9.50 |
| Merchandise, L.C.L. | 923,724 | 23.65 | 3,930,684 | 2.42 |
| Total Revenue Cars Loaded | 3,906,655 | 100. | 162,292,226 | 100. |

Note: Car loadings of pulp and paper and pulpwood in 1949 were equivalent to 560 cars and 476 cars respectively, every day in the year. A proportion of the pulpwood car loadings included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to ten trains of a mile in length daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 3,078 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals, and other supplies required for the operations at the mills and in the woods.

*Source: Dominion Bureau of Statistics.*

## Table 93.

### Payrolls and Weekly Earnings in Important Industries 1949

| *Industry* | Average Number of Employees | Average Weekly Payrolls | Average Weekly Earnings |
|---|---|---|---|
| Pulp & Paper | 49,214 | $2,799,929 | $56.90 |
| Non-ferrous metal products* | 47,528 | 2,329,403 | 49.03 |
| Chemicals** | 43,115 | 2,052,722 | 47.61 |
| Meat packing & slaughtering | 20,261 | 966,075 | 47.65 |
| Shipbuilding | 14,823 | 695,553 | 46.98 |
| Automobiles & parts | 46,324 | 2,442,632 | 52.71 |
| Electrical apparatus | 52,685 | 2,517,967 | 47.79 |
| Crude, rolled and forged iron & steel products | 38,189 | 2,001,196 | 52.41 |
| Rubber products | 21,281 | 959,329 | 45.07 |
| Lumber products | 31,141 | 1,013,428 | 32.54 |

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

** Includes all classes of chemical manufactures.

*Source: Dominion Bureau of Statistics.*

## Table 94.

### Power Utilization

in 000's of kwh including off-peak power

| | 1947 | 1948 | 1949 |
|---|---|---|---|
| Generated by Central Electric Stations for | | | |
| Pulp and paper industry | 9,972,705 | 8,022,261 | 7,967,897 |
| Other industries | 19,034,749 | 21,050,344 | a |
| Mining companies | 1,851,447 | 1,909,506 | a |
| Domestic customers (homes and farms) | 4,383,222 | 4,984,280 | a |
| Commercial customers, street lighting and free service | 2,374,383 | 2,478,470 | a |
| Export | 2,066,487 | 1,658,113 | 1,730,690 |
| Line losses, etc. | 3,741,806 | 4,465,875 | a |
| | 43,424,799 | 44,568,849 | 46,673,214 |
| Generated for own use by | | | |
| Pulp and paper industry | 2,316,377 | 2,327,304 | 3,778,110 |
| Other industries | 1,148,185 | 2,263,373 | a |
| Mining companies | 269,412 | 283,589 | a |
| Total electricity generated | 47,158,773 | 49,443,115 | a |
| Less: Exports | 2,066,487 | 1,658,113 | 1,730,690 |
| Line losses, etc. | 3,741,806 | 4,465,875 | a |
| | 41,350,480 | 43,319,127 | a |
| Plus: Imports | 53,037 | 84,994 | 26,062 |
| Canadian consumption | 41,403,517 | 43,404,121 | a |

a: Not available.

Note: The power consumption of the pulp and paper mills accounts for about 30 per cent of all the power generated for industry and for mining. Of the power generated by industry for its own use, the pulp and paper mills accounted for 66.9 per cent in 1947 and 50.7 per cent in 1948. Of the total consumption of electricity in Canada, the pulp and paper mills accounted for 29.7 per cent in 1947 and 23.8 per cent in 1948.

*Source: Dominion Bureau of Statistics.*

## Table 95.

### Exports 1949

Ex gold in millions of dollars

| | Value | % |
|---|---|---|
| Forest products | $ 882.0 | 29 |
| Agricultural & vegetable products | 771.3 | 26 |
| Animal & animal products | 341.4 | 11 |
| All others | 1,003.7 | 34 |
| | $2,998.4 | 100 |

*Source: Dominion Bureau of Statistics.*

## Table 96.

### Canadian Exports 1949

Ex gold in millions of dollars

| | | | |
|---|---|---|---|
| Wood, Wood Products, and Paper | | | $ 882.0 |
| Pulp and Paper | | $630.5 | |
| Pulp | $171.5 | | |
| Newsprint | 441.2 | | |
| Other Paper | 15.7 | | |
| Paper Goods | 2.1 | | |
| Pulpwood | | 30.4 | |
| Planks and Boards | | 161.0 | |
| Other Wood Products | | 60.1 | |
| Agricultural and Vegetable Products | | | 771.3 |
| Wheat | | 435.2 | |
| Other Grains | | 64.2 | |
| Flour of Wheat | | 97.3 | |
| Alcoholic Beverages | | 34.5 | |
| Other Vegetable Products | | 140.1 | |
| Animal and Animal Products | | | 341.4 |
| Iron and its Products | | | 291.6 |
| Vehicles, chiefly of iron | | 61.8 | |
| Farm Implements and Machinery | | 92.5 | |
| Other Machinery | | 31.2 | |
| Ferro-alloys | | 19.2 | |
| Other Iron and Steel Products | | 86.9 | |
| Non-ferrous Metals and their Products | | | 428.6 |
| Chemicals and Allied Products | | | 70.3 |
| Non-metallic Minerals and their Products | | | 72.0 |
| Fibres, Textiles and Textile Products | | | 24.4 |
| Miscellaneous Commodities | | | 116.8 |
| TOTAL | | | $2,998.4 |

*Source: Dominion Bureau of Statistics.*

## Table 97.

### Pulp, Paper and Mining 1949

| | | |
|---|---|---|
| Gross value of pulp and paper production | | $836,107,697 |
| Mineral production of Canada (a) | | |
| Gold | $148,446,648 | |
| Other metallics | 390,520,610 | |
| Coal, gas, peat, petroleum | 184,294,709 | |
| Other non-metallics | 64,585,216 | |
| Clay products, cement, lime, stone, sand & gravel | 113,903,079 | $901,750,262 |

a: Preliminary estimate.

*Source: Dominion Bureau of Statistics.*

Table 98.

## Ten Leading Canadian Industries 1948

| | Gross Value of Production | | Salaries and Wages | | Employment | | Net Value of Production | |
|---|---|---|---|---|---|---|---|---|
| | '000 $ | Rank b | '000 $ | Rank b | No. | Rank | '000 $ | Rank b |
| Pulp and Paper | $825,857 | 1 | $151,662a | 1 | 51,924 | 3a | $412,770 | 1 |
| Slaughtering and Meat Packing | 689,546 | 2 | 51,828 | 12 | 21,879 | 15 | 92,329 | 13 |
| Non-ferrous Metal Smelting and Refining | 576,383 | 3 | 52,276 | 11 | 19,701 | 20 | 146,830 | 4 |
| Electrical Apparatus and Supplies | 425,725 | 4 | 122,113 | 2 | 53,873 | 2 | 241,333 | 2 |
| Sawmills | 409,267 | 5 | 95,065 | 3 | 56,756 | 1 | 196,936 | 3 |
| Automobiles | 398,056 | 6 | 68,477 | 7 | 24,703 | 13 | 145,601 | 5 |
| Petroleum Products | 394,934 | 7 | 22,061 | 31 | 8,495 | 34 | 63,137 | 27 |
| Butter and Cheese | 378,230 | 8 | 37,916 | 23 | 21,824 | 16 | 73,102 | 19 |
| Flour and Feed Mills | 310,768 | 9 | 14,055 | 36 | 7,124 | 36 | 39,294 | 36 |
| Primary Iron and Steel | 282,167 | 10 | 77,357 | 5 | 29,367 | 9 | 125,276 | 7 |

a: Covers only mill workers; the inclusion of the 9,700 men permanently employed in the woods places pulp and paper first, instead of third, in employment.

b: Rank in Canadian industry as a whole.

*Source: Dominion Bureau of Statistics.*

Table 99.

## Gross Value of Canadian Production

| | 1948 | 1949 |
|---|---|---|
| PRIMARY PRODUCTION: | | |
| Agriculture | $2,709,617,000 | $2,672,601,000e |
| *Wheat* | 588,307,000 | 634,004,000e |
| *All grains (including wheat)* | 869,980,000 | 740,185,000e |
| Forestry | 1,821,420,204 | |
| *Operations in the woods* | 586,295,068 | |
| Fisheries | 202,779,295 | |
| Trapping | 20,178,077 | |
| Mining | 1,299,707,149 | |
| *Mineral production* | 820,248,865 | 901,750,262e |
| Electric Power | 257,377,490 | |
| Less Duplication (Forest production on farms) | —129,287,000 | |
| Total, Primary Production | $6,181,792,215 | |
| SECONDARY PRODUCTION: | | |
| Manufactures | $11,876,790,012 | $12,378,731,000e |
| Construction | 1,665,561,000 | |
| Custom and Repair | 411,485,000 | |
| Total, Secondary Production | $13,953,836,012 | |
| Less Duplication in Manufactures (See Notes below) | —1,992,441,375 | |
| Grand Total | $18,143,186,852 | |

* Industries included both in primary and secondary production.

e: Preliminary estimates. Other figures not yet available.

NOTES: The gross value of commodity production figures given above are not comparable with those of the "gross national product" given in Table 77. The methods used are entirely different and the "gross national product" comprises, in addition, depreciation allowances, similar business costs, and indirect taxes less subsidies.

While the statistics of gross production are of interest as indicating the amount of revenue produced by the corporations and other operators in the field, the total includes a large element of duplication: often the products of one industry become the materials of other industries. The net value of production obtained by deducting the cost of materials, fuel and electricity is a more accurate measure of the contribution to the national economy.

The value of agricultural production includes forest products produced on farmers' wood lots. As such products are also reported under forestry, the amount of duplication is deducted.

A survey of production must differentiate between the more important branches and at the same time present a grand total that will be free from overlapping. For example, the products of pulp and paper and sawmills are included in forestry production as being the first finished products of commercial value resulting from the productive process. They may, however, be classified under manufactures in view of the nature of the production process — either allocation being quite correct according to the point of view. Production of such industries is regarded both as primary and as secondary, but the duplication is eliminated from the grand total.

A break-down of the manufactures figures is given for the seventeen industrial groups in the adjoining column, which also gives the value of production of the principal industries in each group as well as that of all industries (marked *) included both in the primary and secondary production figures.

*Source: Dominion Bureau of Statistics.*

| MANUFACTURES: | 1948 | 1949e |
|---|---|---|
| | '000$ | '000$ |
| Paper Products | 1,061,359 | 1,091,666 |
| **Pulp and paper* | 825,857 | 836,148 |
| *Paper boxes and bags* | 106,225 | 118,807 |
| Wood Products | 838,939 | 824,407 |
| **Sawmills* | 409,267 | 386,496 |
| *Furniture (including mattresses & springs)* | 142,242 | 150,762 |
| *Sash, door and planing mills* | 127,570 | 130,947 |
| Printing, Publishing and Allied Industries | 307,345 | 332,489 |
| Food and Beverages | 2,839,531 | 2,872,336 |
| *Slaughtering and meat packing* | 689,546 | 699,374 |
| *Butter and cheese* | 378,230 | 354,656 |
| *Flour mills* | 255,338 | 242,147 |
| *Bread and other bakery products* | 187,933 | 202,648 |
| **Fish curing and packing* | 115,838 | 114,336 |
| Iron and Steel Products | 1,320,527 | 1,408,912 |
| *Primary iron and steel* | 282,167 | 303,299 |
| *Machinery* | 232,605 | 237,502 |
| *Agricultural implements* | 146,956 | 176,817 |
| Transportation Equipment | 941,483 | 1,062,903 |
| *Motor vehicles* | 398,056 | 487,532 |
| *Railway rolling stock* | 237,382 | 246,743 |
| Non-ferrous Metal Products | 844,598 | 865,398 |
| **Non-ferrous metal smelting and refining* | 576,383 | 599,188 |
| *Brass and copper products* | 122,382 | 114,721 |
| Clothing (Textile and Fur) | 707,177 | 718,016 |
| *Men's factory clothing* | 206,612 | 221,054 |
| *Women's factory clothing* | 191,949 | 200,970 |
| Textile Products (Except Clothing) | 609,077 | 625,955 |
| *Cotton yarn and cloth* | 203,446 | 211,269 |
| *Synthetic textiles and silk* | 107,141 | 124,125 |
| Chemical Products | 579,932 | 594,622 |
| *Paints and varnishes* | 81,278 | 82,648 |
| *Medicinal and pharmaceutical preparations* | 71,714 | 79,685 |
| *Acids, alkalies and salts* | 70,600 | 72,440 |
| *Fertilizers* | 63,986 | 67,740 |
| *Soaps, washing compounds, etc.* | 67,586 | 64,281 |
| Products of Petroleum and Coal | 491,961 | 533,252 |
| *Petroleum products* | 394,934 | 436,432 |
| Electrical Apparatus and Supplies | 425,725 | 486,286 |
| Non-metallic Mineral Products | 232,148 | 244,737 |
| *Glass products* | 40,364 | 42,807 |
| **Cement* | 30,561 | 35,065 |
| *Abrasive products* | 33,512 | 27,700 |
| **Clay products from domestic clay* | 17,629 | 17,981 |
| **Lime* | 11,074 | 11,796 |
| **Salt* | 5,828 | 6,621 |
| Leather Products | 203,758 | 210,439 |
| *Boots and shoes, leather* | 105,339 | 116,446 |
| Rubber Products | 194,111 | 178,468 |
| Tobacco and Tobacco Products | 153,993 | 172,830 |
| Miscellaneous Manufacturing Industries | 125,116 | 156,006 |
| Total | 11,876,790 | 12,378,731 |

# CANADA'S PULP AND PAPER INDUSTRY

**1.** The Canadian pulp and paper industry is one of the major industrial enterprises of the world.

**2.** In newsprint paper, Canada has a production five times that of any other country. She provides three of every five newspaper pages printed throughout the world. Canada is the second greatest producer and exporter of pulps in the world; and at the same time has a large production of papers and paperboards of every type and kind.

**3.** Canada is the greatest exporter of pulp and paper in the world. Some 75 per cent of the total pulp and paper production moves abroad and 94 per cent of her newsprint is exported.

**4.** The domestic trade in pulp and paper would alone make the industry a leader in Canadian trade. The quarter of the pulp and paper output sold at home has a value far exceeding Canada's output of gold, of farm implements, or of cotton yarn and cloth.

**5.** Amidst Canadian industry, pulp and paper stands first in employment; first in total wages paid; first in export values; first in value of production; first in capital invested.

**6.** Canada's pulp and paper output is currently some $900 million a year. In value it approximates Canada's output of wheat and all other grains combined; it is twice as great as the gross value of production of the automobile industry; and it equals Canada's total annual mineral production.

**7.** Pulp and paper is exporting at the rate of $670 million annually. It is the largest item in Canada's trade abroad accounting for 36 per cent of the exports to the United States and 21 per cent of all exports.

**8.** Fluctuations in the national income closely parallel variations in pulp and paper production. The ups and downs in Canadian exports also closely follow the trend of pulp and paper exports. Prosperity in the industry and in Canada are inseparable.

**9.** Pulp and paper is the largest industrial buyer of goods and services in the Dominion. In 1949 it paid out $246 million in wages, $130 million for transportation, and $158 million for supplies and electricity, and $72 million for purchases of pulpwood.

**10.** The annual wage bill of the industry exceeds $246 million of which $157 million went to mill workers and the remainder to woods workers. No single industry pays more. No industry has a better labour-management record. Generally, wages and working conditions in the mills are covered by collective labour agreements.

**11.** In hydro-electric power, Canada is the second nation in the world. Pulp and paper has been largely responsible for the development of Canadian hydro-electric resources. Pulp and paper mills use about 30 per cent of all the power generated for industry.

**12.** There are 85 pulp and paper companies in Canada, some large some small, operating 130 mills in seven provinces. In addition to pulps and newsprint, they have a highly developed production of fine paper, wrapping paper, tissues, paperboard, and other cellulose products.

**13.** Canada's rag papers, fine papers, specialty papers, wrapping papers, and paperboards are of a quality unsurpassed anywhere. Canada produces a thousand varieties of pulps, papers, paperboards, and specialty pulp and paper products.

**14.** In the value of its production the pulp and paper industry has headed the list of Canadian peacetime manufacturing industries for a score of years.

**15.** In 1949 the industry took pulpwood valued at $240 million and converted it into products having a gross value of $836 million. The industry thus increases by 3½ times the value of the wood which it uses.

**16.** Including woods operations, pulp and paper produces employment for some 254,000 workers; helps directly to provide a livelihood for a million Canadians; and indirectly supports hundreds of thousands more as one of the chief buyers of transportation, power, fuel, supplies, and equipment.

**17.** Pulp and paper represents the savings of many thousands of Canadians who, over the years, have received few dividends.

**18.** The export pulp markets are worth $190 million annually to Canada. Paper exports are worth another $480 million. Every Canadian has an interest in the maintenance of these markets.

**19.** The pulp and paper industry has made its own way against world competition without subsidies, price floors, guarantees, or similar forms of public financial assistance. The industry has at times disappointed investors but, in war or peace, it has always been a contributor to—never a drain on—the public treasury. Canada has no better asset, nor any worth more care.

**20.** The four great sources of Canadian wealth are forests, farms, minerals, and water power. The industry uses the water power to convert the forest crop into dollars of national income chiefly obtained from abroad by exports, and chiefly paid out in wages.

**21.** Of the average annual forest consumption in the ten years ending 1948, Canadian pulp and paper mills accounted for 19.4 per cent, fuelwood for 21.2 per cent, timber and other products for 38.1 per cent, and fire, insect, and disease for 21.3 per cent.

**22.** With an investment exceeding $1 billion in plants which cannot be moved and which cannot operate without pulpwood, and as the largest lease-holder of Crown woodlands, pulp and paper has a vital interest in the maintenance of the forests and in their conservation for future use. The industry is engaged in implementing on its limits its declared Forest Policy of perpetual yield.

**23.** Spurred by self-interest and its responsibilities, pulp and paper employs some hundreds of trained foresters whose aim is the scientific cutting of the forests and their conservation for future use. Selective and other cutting methods pursued encourage natural regrowth. Pulp and paper spends large sums for the protection of the forests from fire and other hazards. The industry operates the best managed forests in Canada.

**24.** Provincial governments, which control the natural resources, have set up departments to deal with the forests. The Dominion government's expenditures on forest matters have been considerably below the level of expenditures for much less important national assets.

**25.** Through pulp and paper operations have been created vast sources of government revenue. For many years the Dominion Government has operated departments for agriculture and fisheries. No such recognition has been given to the forest industries.

**26.** Over 90 per cent of the Canadian forests are owned by the public. In area, the forests more than double the land in Canada classed as having a present or potential value for agriculture. Pulp and paper development roughly parallels the extent of the forests in the various provinces.

**27.** Replacement of the annual depletion in the accessible productive forest areas requires an average annual growth of 11 cubic feet per acre. While there is a small growth in many areas, over large tracts the Federal Forestry Branch has recorded growths of from 25 to 40 cubic feet per annum. It appears that the existing forests can supply the present demands made upon them. A reduction in the fire, insect, and disease hazards would permit a substantial development of forest industries.

**28.** Through devastation by fire, insects, and disease, much more of the forest crumbles into decay or goes up in smoke than is used to produce pulp, paper, and paperboard. Unless these ravages be checked, the depletion of the forests will ultimately exceed the increment. Fires often make impossible the proper regeneration of the forests.

**29.** The forests are and can be maintained as a renewable asset yielding harvests in perpetuity. They are not merely a source of public revenue, they are also a public responsibility demanding adequate expenditures for their maintenance.

**30.** Because of what pulp and paper means in the economy — in employment, in exports, in expenditures, and in domestic trade — every Canadian benefits from the operations of this great national industry.

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